

19990111.qrp v01\_n333.qrl.990111

Date: Mon, 11 Jan 1999 19:04:29 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1333

QRP-L Digest 1333

Topics covered in this issue include:

- 1) [29331] Re: NVIS  
by W7LS <w7ls@blarg.net>
- 2) [29332] Band Conditions (grin!)  
by Macstein@aol.com
- 3) [29333] Army radio field manual 24-18 (must read!)  
by W7LS <w7ls@blarg.net>
- 4) [29334] Elmer205: WinSPICE3 Update  
by Chuck Adams <adams@ticnet.com>
- 5) [29335]  
by radioham@erols.com
- 6) [29336] SW- series question  
by tom whalen <wb5qyt@eFortress.com>
- 7) [29337] How did you get your design background?  
by Jim Lowman <jmlowman@ix.netcom.com>
- 8) [29338] Yaesu mobile antenna...  
by "Radman" <radman@best.com>
- 9) [29339] info on TIXIE?  
by tom whalen <wb5qyt@eFortress.com>
- 10) [29340] Re: Need help finding cross reference for HW\_9 slug tuned inductor..  
by pmk@juno.com (Patrick M Kvitkauskas)
- 11) [29341] Re: MRX-40 Receiver Questions  
by we6w@juno.com (Ed Loranger)
- 12) [29342] QRP ARCI Awards  
by radioham@erols.com
- 13) [29343] MRX-40 Receiver Questions  
by Mike Boatright <ko4wx@mindspring.com>
- 14) [29344] Re: How did you get your design background?  
by Chris Trask <ctrask@primenet.com>
- 15) [29345] Re: SW- series question  
by "Mitch Dickson" <mitch@volstate.net>
- 16) [29346] Nice QRP Christmas Story  
by Jess Gypin <jessqrp@concentric.net>
- 17) [29347] Worldradio web address  
by W6RCecila <w6rca@ibm.net>
- 18) [29348] Atlanticon pre-registrants ... see who's coming!  
by "George Heron" <gheron@idt.net>
- 19) [29349] trade for QRP Quarterly, QRPp or other publications

- by "Kelly Ellison" <kelman@dialnet.net>
- 20) [29350] KØRWC/AE QSO Party -- Bands are tuff.  
by we6w@juno.com (Ed Loranger)
- 21) [29351] Long Live Amateur Radio, thanks Brian!  
by "Bruce Prior" <n7rr@hotmail.com>
- 22) [29352] NVIS (A Practical Design)  
by David Gauding <david.gauding@bbs.galilei.com>
- 23) [29353] UT Skeds  
by utahfolk@konnections.com
- 24) [29354] Re: Long Live Amateur Radio, thanks Brian!  
by William-McShan@ouhsc.edu (Mike McShan)
- 25) [29355] TOWER/ANTENNA QUESTION  
by Roy Lincoln <wa4dou@usa.net>
- 26) [29356] Re: ZL9CI Split Freq Operation  
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
- 27) [29357] 000PS: Re: ZL9CI Split Freq Operation  
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>
- 28) [29358] ZL9CI  
by "Eric Swartz - WA6HHQ, Elecraft" <erics@elecraft.com>
- 29) [29359] NorCal 20 Boards to be ordered Monday, Jan. 11  
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 30) [29360] Re: ZL9CI  
by N7YA@aol.com
- 31) [29361] Re: NVIS (A Practical Design)  
by n3aaz-qrp@juno.com (John R Kirby)
- 32) [29362] Hawaii QRP  
by kf2ew@juno.com
- 33) [29363] andymeng: Re: Spartan Sprint & Sierra  
by andymeng@juno.com (Andy C Meng)
- 34) [29364] RG 174/U and QRP ?  
by Donald Lefrancois <wb1cdh@mci2000.com>
- 35) [29365] Re: Split operation  
by w4pj@w4bxx.ampr.org
- 36) [29366] Re: QST DE KØRWC/AE: PARTY!  
by KØRWC <rwc@frii.com>
- 37) [29367]  
by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
- 38) [29368] NVIS / "SGA" MORE INFO PSE  
by n3aaz-qrp@juno.com (John R Kirby)
- 39) [29369] Fw: Corsair I question  
by "Jeff M. Gold" <JGold@tntech.edu>
- 40) [29370] Today's Y2K post  
by Roger Hightower <n7kt@earthlink.net>
- 41) [29371] Re: TOWER/ANTENNA QUESTION  
by Brad Bradfield <b\_bradfield@yahoo.com>
- 42) [29372] Re: Near Vertical Incidence Skywave (NVIS).  
by Jeff Johnson <jeff@san-dc.com>
- 43) [29373] Re: MRX-40 Receiver Questions

by we6w@juno.com (Ed Loranger)

44) [29374] Re: TOWER/ANTENNA QUESTION  
by "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>

45) [29375] Re: How did you get your design background?  
by Zack Lau <z1au@arrl.org>

46) [29376] Son of FireBall: Update  
by William-McShan@ouhsc.edu (Mike McShan)

47) [29377] FOX 1/13/99  
by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>

48) [29378] Re: RG 174/U and QRP ?  
by Hank Kohl K8DD <k8dd@contesting.com>

49) [29379] Re: QST DE KØRWC/AE: PARTY!  
by Tom Palmer <n1tp@worldnet.att.net>

50) [29380] Re: ZL9CI Split Freq Operation  
by Peter Larsen <larsenp@cadvision.com>

51) [29381] FOX: K5FO  
by Bruce Rattray <rattray@gpfn.sk.ca>

52) [29382] Good NVIS sites  
by "Larry Cruise" <aa5ta@texasonline.net>

53) [29383] Re: TOWER/ANTENNA QUESTION  
by Tom Palmer <n1tp@worldnet.att.net>

54) [29384] RE: RG 174/U and QRP ?  
by "Ed Tanton" <n4xy@mindspring.com>

55) [29385] RE: RG 174/U and QRP ?  
by "Ed Tanton" <n4xy@mindspring.com>

56) [29386] Re: TOWER/ANTENNA QUESTION  
by kkanalz@optelinc.com

57) [29387] RE: RG 174/U and QRP ?  
by Niel Skousen <skousen@srv.net>

58) [29388] Re: RG 174/U and QRP ?  
by "Alyn Backe" <ve6bpr@cnnet.com>

59) [29389] RE: Travel ant's & RG 174/U and QRP ?  
by Niel Skousen <skousen@srv.net>

60) [29390] Belated QSL no longer!  
by Ed Loranger <we6w@qsl.net>

61) [29391] Flip-Flop  
by Ed Loranger <we6w@qsl.net>

62) [29392] Ten Tec mike wiring help  
by "Jeff M. Gold" <JGold@tntech.edu>

63) [29393] Re: Belated QSL no longer!  
by Ed Loranger <we6w@qsl.net>

64) [29394] FYBO 99  
by "Joseph Street" <joseph.street@comdev.ca>

65) [29395] Re: Flip-Flop  
by Bill Jones <kd7s@psnw.com>

66) [29396] Fixed my Butternut Feedline  
by "Franco, Nicholas J" <franco@bnl.gov>

67) [29397] Re: RG 174/U and QRP ?

by W7LS <w7ls@blarg.net>  
68) [29398] Re: FS: RADIO HANDBOOK  
by Brad Bradfield <b\_bradfield@yahoo.com>  
69) [29399] Re: FYBO 99  
by Andy Fox <foxes@theriver.com>  
70) [29400] Re: RG 174/U and QRP ?  
by "Radman" <radman@best.com>  
71) [29401] Re: Flip-Flop  
by Shepherd@aol.com  
72) [29402] Inverted Vee  
by vlantz@juno.com (Vann G Lantz)  
73) [29403] Re: RG 174/U and QRP ? -Reply  
by Bob Reynolds <breynold@sigg.com>  
74) [29404] RE: Inverted Vee  
by "James C. Owen, III" <owen@piper.eeel.nist.gov>  
75) [29405] Re: Flip-Flop  
by "Joiner, Randy - LYSBB" <JoinerR@avionics2.robins.af.mil>  
76) [29406] Re: Inverted Vee  
by W5TB <w5tb@SoftHome.net>  
77) [29407] PSK31  
by Bill Jones <kd7s@psnw.com>  
78) [29408] CW Speak  
by Brad Mugleston <bmug@gwl.com>  
79) [29409] Re: Flip-Flop  
by Chris Cartwright <ccart@dns.vidtel.com>  
80) [29410] 2 MTR to 80 MTR Transverter  
by "Alyn Backe" <ve6bpr@cnnnet.com>  
81) [29411] Re: Wanted:HW-9 parts or dead rig  
by ka7you@juno.com  
82) [29412] Re: How did you get your design background?  
by "Mel Evans" <MelGM6JAG@bccscotland.freemove.co.uk>  
83) [29413] Hams helping hams/RE:KZ50D  
by RangerSF5@aol.com  
84) [29414] JUNQUE  
by k6hcj@juno.com (Marv Fagenson)  
85) [29415] Re: Inverted Vee  
by "Mitch Dickson" <mitch@volstate.net>  
86) [29416] Just curious  
by "Ron Smith" <resmith666@uswest.net>  
87) [29417] SOLAR CONDX RECEIVER IDEA  
by mjfitz@uswest.net  
88) [29418] I Need a UTC watch...!!  
by "Radman" <radman@best.com>  
89) [29419] Re: I Need a UTC watch...!!  
by "John Evans - =?ISO-8859-1?Q?N=D8HJ"?= <jaeveans@codenet.net>

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Date: Sun, 10 Jan 1999 16:14:12 -0800  
From: W7LS <w7ls@blarg.net>  
To: wa4dou@usa.net  
Cc: qrp-1@lehigh.edu  
Subject: [29331] Re: NVIS  
Message-ID: <36994254.4F95@blarg.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi, Roy. You're on track. These are not dx antennas. There is however, another consequence of the low antenna. They are very, very quiet. The reason is because most natural noise on HF is coming from distant storms, motors, yada-yada-yada. All of those sources are out in the direction of the horizon, unless you have a storm overhead. These 'cloudwarmer' antennas are deaf to those directions. AHA! That even enhances the signal to noise ratio of the local guys!

Very often, when I fire up for NVIS, the band sounds totally, totally dead. It's not. QRPP signals rocket through, easily. It's just that the noise sources are off in an insensitive direction.

73 de Jim, W7LS

Roy Lincoln wrote:

>  
> Hi Gang,  
> Well, i'm glad to know that my initial assessment of what i was hearing  
> suggested the sort of situation that exists on 160,80-75,40 and to some extent  
> 30 meters, where the use of horizontal antennas at a small fraction of a  
> wavelength high, directs much or most of the radiation upward. Thats been the  
> story of the antennas at WA4DOU for most of my ham life, with few exceptions.  
> One technique i remember reading about is to place a wire at ground level or a  
> little above it, under the main antenna. Its length would be anywhere from the  
> same length as the horizontal antenna(dipole readily comes to mind) to perhaps  
> 3-5% longer. Whether enhancing the ground reflection under the antenna or  
> acting as a reflector straight up, the whole point is to maximize the NVIS.  
> Now my question! With the exception of amateur nets or those who just enjoy  
> or prefer local communications in their neck of the woods, what practical use  
> does this have for the rest of us? Its the antithesis of the DX antenna! Ha!  
> 73 Roy Lincoln WA4DOU  
>  
>  
> -----  
> Get free e-mail and a permanent address at <http://www.netaddress.com/?N=1>

-----  
Date: Sun, 10 Jan 1999 19:20:05 EST

From: Macstein@aol.com  
To: qrp-1@Lehigh.edu  
Subject: [29332] Band Conditions (grin!)  
Message-ID: <2cd1b0c9.369943b5@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi all,

I'm having a blast! I got 33 QRP QSO's and 29 states in the NA party in about 4 hours total. That's the best contest/sprint outing EVER for me. Now tonight I was playing with my Pixie II and (no... not what you're thinking) had the "Elmer" SW40+ on 7.025. I heard Sergej UT5IM calling for DX. He gave me 579! That's the best miles/per watt with my attic dipole yet! Now that Dave is shipping the RIT mod, maybe I'll do a little better in the fox hunts. I've been using the "twist & listen/twist back & send" method. Thanks AGAIN for all your contributions to the online elmer stuff.

-MAC-  
KF4KSM

-----  
Date: Sun, 10 Jan 1999 16:32:32 -0800  
From: W7LS <w7ls@blarg.net>  
To: qrp-1@lehigh.edu  
Subject: [29333] Army radio field manual 24-18 (must read!)  
Message-ID: <369946A0.A42@blarg.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi. Thanks to the post I just saw here, there is really good reading over on the Army field manual page of

[HTTP://155.217.58.58/cgi-bin/atdl.dll/fm/24-18/fm24-18.htm](http://155.217.58.58/cgi-bin/atdl.dll/fm/24-18/fm24-18.htm)

It deals with single channel radio communications. All aspects, antennas, rigs, grounds, etc.

I highly recommend it. There are other field manuals dealing with how to drop a road grader out of an airplane (????!?!?!?!?) and so on.

Jim W7LS

-----  
Date: Sun, 10 Jan 99 19:19:43 -0500  
From: Chuck Adams <adams@ticnet.com>  
To: qrp <qrp-1@lehigh.edu>  
Subject: [29334] Elmer205: WinSPICE3 Update  
Message-ID: <199901110114.UAA15094@nss4.cc.Lehigh.EDU>

Gang,

Thanks to Dave I have a correction to the files.

Use

\*#plot V(2) V(3)

or whatever when I have only the #PLOT.

The star in column one and the command MUST be in lower case. Small price to pay for getting the plot to appear when the file is loaded.

And noone can complain about the price. :-) I am attempting to get a copy over to the CD rom but have an issue with floppy transfer since the floppy is limited to 1.44MB but have another method to work out if I can find kermit online.....

Stay tuned for further developments.

dit dit

--  
Chuck Adams K5FO adams@ticnet.com CP-60  
<http://www.ticnet.com/k5fo>

-----  
Date: Sun, 10 Jan 1999 20:39:57  
From: radioham@erols.com  
To: qrp-1@lehigh.edu  
Cc: QRP@smtp1.erols.com, QRCI@smtp1.erols.com, Awards@smtp1.erols.com  
Message-ID: <3.0.1.16.19990110203957.3e5766c8@pop.erols.com>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I am happy to announce that I have received everything I need to issue awards under the QRP Amateur Radio Club International Awards program. I will be issuing my first 3 this week - 2 for 1000 miles per watt (David, KF4HZH and Mike, AF4LQ) and 1 for QRP 50 State WAS (Larry, WD3P). These awards represent real accomplishments on the part of individual QRP operators and I look forward to ratifying them. Chuck, K5F0, my predecessor, has done a fantastic job of keeping accurate and complete records of all the awards issued and publishing them in the QEP Quarterly. I hope to be able to do the same. In case you are unaware of the awards program, a description of the various awards, taken from the QRP ARCI awards page, appears below (full details at <http://www.qrparci.org/>). While only the application for the 1000 mile per watt award is posted, formats for the other awards appear in various back issues of the QRP Quarterly. I plan to post application forms to the awards page in the near future.

The objective of the QRP ARCI Operating Awards Program is to demonstrate that "power is no substitute for skill". It encourages full enjoyment of Ham Radio while running the minimum power necessary to complete a QSO and thereby reducing QRM on our crowded bands. QRP is defined by the club as 5 watts output CW and 10 watts PEP output SSB. The following awards are available to any Amateur. Requirements are set forth below.

1000-MILE-PER-WATT (KM/W) - This award is issued to any Amateur transmitting from, or receiving the transmission of, a QRP station such that the Great Circle Bearing distance between the two stations, divided by the QRP stations power output equals or exceeds 1000 Miles-per-Watt. Additional certificates can be earned with different modes and bands. See NOTES below about applying.

WAS-QRP - This award is issued to any Amateur for confirming QSOs with stations in at least 20 of the 50 states of the USA while running QRP. Endorsement certificates are issued at 30, 40 and 50 states confirmed. See NOTES below about applying.

WAC-QRP - This award is issued to any Amateur for confirming QSOs with stations in all six continents while running QRP. See NOTES below about applying.

DXCC-QRP - This award is issued to any Amateur for confirmed QSOs with 100 ARRL countries while running QRP. See NOTES below about applying.

QRP-25 - This award is issued to any Amateur for working 25 members of QRP ARCI while those members were running QRP. Endorsement certificates are



offered for 50, 100 and every 100 thereafter. To apply send list of members worked. List should be in numerical order. Also see NOTES below about applying.

#### NOTES

- 1) The fee for all awards is \$2.00 US or 10 IRCs. Subsequent Endorsement certificates are \$1.00 or 5 IRCs. Make checks or money orders (preferred) payable to Steve Slavsky. Cash is acceptable, but is sent at your risk.
- 2) GCR List (General Certificate Rule): QRP ARCI will accept as satisfactory proof of confirmed QSOs and that the QSLs are on hand as claimed by the applicant if the list is signed by: (a) a radio club official, OR (b) two amateur radio operators, general class or higher, OR (c) a notary public, OR (d) a CPA. If none of the above are readily available, a photocopy of both sides of the QSLs is OK. If you must send QSLs, which I really, really, really, strongly discourage, please include postage for their return. QRP ARCI is not responsible for lost or damaged QSLs.
- 3) QRP ARCI member numbers are not published. The Awards Program will accept as satisfactory proof for any of the club awards a QSO with a club member giving their membership number and power output in the log data. If the QRP number and power are not given a QSL is required for confirmation. See Note 2 above.
- 4) Endorsement certificates are available for a) One Band, b) One Mode, c) Natural Power, d) Novice and e) Two-way QRP if log data so indicates.

Send Applications to:

QRP ARCI AWARDS CHAIRMAN  
Steve Slavsky, N4EUK  
12405 Kings Lake Drive  
Reston, VA 20191-1611

Please include your e-mail address on any correspondence or applications.

My goal is to turn around your applications in less than 30 days, from the time you send the application to the time you receive the award in the mail (CONUS only, subject to the vagaries of the US Postal Service, contests, foxhunts, etc., etc. :-)). Please be sure to enclose your e-mail address with any application. I want to let you know when I receive your application so you know it got through. It will also be helpful if I have any questions about your application. In the case of the 1000 miles per watt award, please don't forget the ham at the other end of the QSO. Their

efforts in detecting our signals makes your award possible. I will be happy to send them a certificate memorializing the QSO for \$1.00 (\$2.00 if overseas). It's a good advertisement for the rewards and fun of QRP operating.

You do not need to be a member of QRP ARCI to apply for any of these awards. I know not everyone on QRP-L is a member, so please see the QRP ARCI homepage for information on how to join, if you are interested. I will be writing a short column for the Quarterly restating much of this information.

Last, if anyone has any awards outstanding that were been mailed to Chuck prior to this switchover, please let me know and I will work with him to see that your certificate is issued.

E-mail me if you have any questions about the QRP ARCI awards program.

Steve Slavsky, N4EUK  
QRP ARCI Awards Manager

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Date: Sun, 10 Jan 1999 18:36:28 -0700  
From: tom whalen <wb5qyt@eFortress.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [29336] SW- series question  
Message-ID: <3699559C.2128@eFortress.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

QRPer's!

I have one of the GM series xcvr's for 15 meters with the RIT control. I find I dont even need the RIT for this rig. Very nice rig!

I have heard mention of a RIT being offered for the SW series. Im thinking of ordering a SW-40, but.....

1. Wondering if I really need the RIT feature?
2. How much is it?
3. How does this rig compare to the SST 40(performance wise?)

Thanks, Tom WB5QYT

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Date: Sun, 10 Jan 1999 17:45:42 -0800  
From: Jim Lowman <jmlowman@ix.netcom.com>  
To: qrp-1@lehigh.edu  
Subject: [29337] How did you get your design background?  
Message-ID: <3.0.32.19990110174540.00b0c7f8@popd.netcruiser>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang,

I know that many of you have considerable expertise in electronic circuit design, as seen at Pacificon, in the various QRP periodicals, and here on this list. Just curious where you gained your knowledge, and if you have any favorite books or references that you'd care to share.

Oddly, I received my education and field experience in electronics after having made the way up the ham ranks to Advanced Class, back when it was necessary to test in front on an FCC examiner. During the early 1970s, I spent about two years in classes in the Air Force, and the remainder of the time working on FAA-type air traffic control radar systems. Solid-state and digital circuits were just making their way out to those of us in the field, so I had only a couple of years to work with them before getting out.

Any suggestions will be greatly appreciated.

72 de Jim - AD6CW

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Date: Sun, 10 Jan 1999 17:53:43 -0800  
From: "Radman" <radman@best.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [29338] Yaesu mobile antenna...  
Message-ID: <1999011110150.RAA20885@proxy3.ba.best.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

Quick question: has anyone tried the new Yaesu ATAS-100 mobile antenna? If you haven't seen it yet, it looks a bit

like a small Japanese "screwdriver" design -- a la Don Johnson. Coverage is 40M-70cm. There is no antenna tuner required to use it with either the Yaesu FT-847 or FT-100. The only connection between the rig and the antenna is just the coax -- just press "tune." HRO is stocking them here in California. Cost = \$309. Curious as to how they work ?? :-)

72 - Conrad Weiss - NN6CW

-----  
Date: Sun, 10 Jan 1999 19:08:50 -0700  
From: tom whalen <wb5qyt@eFortress.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [29339] info on TIXIE?  
Message-ID: <36995D31.4173@eFortress.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

QRPer's!

I was looking at the TIXIE(tick chip and Pixie) combo at Embedded research. Looks like they dont have the board in stock anymore, and that you have to get it from Far Circuits. I went to the Far site, but I'll be darned if I could find any mention of a Pixie board!!

Anyone help me out?

Thanks, Tom WB5QYT

-----  
Date: Mon, 11 Jan 1999 02:10:16 +0000  
From: pmk@juno.com (Patrick M Kvitkauskas)  
To: qrp-l@lehigh.edu  
Subject: [29340] Re: Need help finding cross reference for HW\_9 slug tuned inductor..  
Message-ID: <19990111.021416.11670.0.pmk@juno.com>

On Sun, 10 Jan 1999 10:20:00 -0600 Michael Melland <badger@vbe.com> writes:  
>Bernie Doehner wrote:

>>  
>> Hi:  
>>  
>> Repairing a HW-9. Need to replace the slug tuned inductors that are  
>part of  
>> the 10 and 12 meter crystal oscillators (35 and 42 MHz).  
>>  
>> On the cans it says:  
>>  
>> 40-2076  
>> 7-8417  
>>

Bernie,

I had success with my HW-7 by putting wax in the can to tighten if the  
slugs are not broken. I did have some broken slugs but got lucky  
and found some at a local surplus. Give that a shot before you give up  
on the inductors. Also if you have success with that put a little wax  
on the slugs when you are done tweaking up the rig.

72  
Patrick KD4OBQ

AR

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You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sun, 10 Jan 1999 21:20:02 EST  
From: we6w@juno.com (Ed Loranger)  
To: ko4wx@mindspring.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [29341] Re: MRX-40 Receiver Questions  
Message-ID: <19990110.181636.4903.14.we6w@juno.com>

On Sun, 10 Jan 1999 17:43:23 EST we6w@Juno.Com (Ed Loranger) writes:  
>On Sat, 09 Jan 1999 21:54:40 -0500 Mike Boatright  
><ko4wx@mindspring.com> writes:  
>>As a nice companion to the NOGA 80 transmitter, I'm looking to build  
>>an  
>>NE612 based, SIMPLE receiver, following K8IDN's MRX-40 design. I'm a  
>>bit baffled by the receiver input circuit and was wondering if anyone

>>could help me out. In a nutshell, the 40m receiver input is like  
>>this:

```
>>
>>  ant                                +-----+-----+  NE612
>>  \||/                                |         |         |  IC
>>  |                                  = C1      |         |  +- Pin 1
>>  /      R1 47      | 91pF      )L1
>>  \<-----^-----+         (5.6uH      +- Pin 2
>>  / R4 10Kohm      |         )
>>  | variable      = C2      |         |
>>  |               | 470pF   |         |
>>  |               +-----+-----+
>>  |               |
>>  |               = C3
>>  |               | 0.1uF
>>  ---
>>  ///                      ///
>>
```

>>Aside from any comments about the high tech graphics, could someone  
>>help me out with the following:

```
>>
>>1) What would be the appropriate values for C1, C2 and L1 for
>>80meters
>> (3686KHz)? (Note that I'm taking the circuit from K4TWJ's
>>article
>> in the August, 1997 CQ, where he changes the values to C1=68pF,
>> C2=330pF and L1=4.7uH).
>Mike, I don't have the time to do the math, but it is real easy.
>To scale the circuit, find the reactance values at the posted
>design frequency then extract the value for other frequencies.
>The formulas are:  $X_c = 1/(2 \cdot \pi \cdot F \cdot C)$  and  $X_l = 2 \cdot \pi \cdot F \cdot L$ , all in
```

The following line needs correction! Missed the "/"

```
>base units. Then the new Cap= $1/(2 \cdot \pi \cdot F \cdot X_c)$  and the new
=====^=====
>inductance= $X_l/(2 \cdot \pi \cdot F)$ .
```

There. Now I can sleep.

Oh, had a FB QRQ qso on the bug today. The guy really  
gave me some nice comments on my sending. I guess I  
was in a rythm.

He did ask me if I knew how to send "Old Bugvoice style". Never  
heard that before. I guess it is a "swing" thing. I always  
believed that any swing would be inherrent over time and self

developed, not on purpose, but as a natural flaw in my sending.  
I won't develop it on purpose, it will just arrive.

He mentioned that when I was nearing 40 WPM that I had too much space between characters. About 35 WPM spacing and 40 WPM characters. He wanted me to run the characters together more.

We'll see how that goes. I rarely get up to this speed but maybe once a month cuz I end up losing contacts. No one answers my CQ's :) I have since found it cute to jump up in speed a bit as I get a feel on his speed. Sometimes a contact will slow down if I do that so I come back down.

It is a lot of fun!

-Ed

72, Ed WE6W QRP-Z#106 -L#1068, AR Millennium QSO's=97/2000  
<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA  
QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

-----  
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or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sun, 10 Jan 1999 21:30:53  
From: radioham@erols.com  
To: qrp-l@lehigh.edu  
Subject: [29342] QRP ARCI Awards  
Message-ID: <3.0.1.16.19990110213053.29375c26@pop.erols.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Sorry for the duplicate e-mail - I accidentally put the subject in the cc: line in the original and got a bunch of bounces for "No subject line". Please ignore this if it is your second copy.

I am happy to announce that I have received everything I need to issue awards under the QRP Amateur Radio Club International Awards program. I will be issuing my first 3 this week - 2 for 1000 miles per watt (David, KF4HZH and Mike, AF4LQ) and 1 for QRP 50 State WAS (Larry, WD3P). These awards represent real accomplishments on the part of individual QRP operators and I look forward to ratifying them. Chuck, K5F0, my predecessor, has done a fantastic job of keeping accurate and complete

records of all the awards issued and publishing them in the QEP Quarterly. I hope to be able to do the same. In case you are unaware of the awards program, a description of the various awards, taken from the QRP ARCI awards page, appears below (full details at <http://www.qrparci.org/>). While only the application for the 1000 mile per watt award is posted, formats for the other awards appear in various back issues of the QRP Quarterly. I plan to post application forms to the awards page in the near future.

The objective of the QRP ARCI Operating Awards Program is to demonstrate that "power is no substitute for skill". It encourages full enjoyment of Ham Radio while running the minimum power necessary to complete a QSO and thereby reducing QRM on our crowded bands. QRP is defined by the club as 5 watts output CW and 10 watts PEP output SSB. The following awards are available to any Amateur. Requirements are set forth below.

1000-MILE-PER-WATT (KM/W) - This award is issued to any Amateur transmitting from, or receiving the transmission of, a QRP station such that the Great Circle Bearing distance between the two stations, divided by the QRP stations power output equals or exceeds 1000 Miles-per-Watt. Additional certificates can be earned with different modes and bands. See NOTES below about applying.

WAS-QRP - This award is issued to any Amateur for confirming QSOs with stations in at least 20 of the 50 states of the USA while running QRP. Endorsement certificates are issued at 30, 40 and 50 states confirmed. See NOTES below about applying.

WAC-QRP - This award is issued to any Amateur for confirming QSOs with stations in all six continents while running QRP. See NOTES below about applying.

DXCC-QRP - This award is issued to any Amateur for confirmed QSOs with 100 ARRL countries while running QRP. See NOTES below about applying.

QRP-25 - This award is issued to any Amateur for working 25 members of QRP ARCI while those members were running QRP. Endorsement certificates are offered for 50, 100 and every 100 thereafter. To apply send list of members worked. List should be in numerical order. Also see NOTES below about applying.

#### NOTES

1) The fee for all awards is \$2.00 US or 10 IRCs. Subsequent Endorsement certificates are \$1.00 or 5 IRCs. Make checks or money orders (preferred) payable to Steve Slavsky. Cash is acceptable, but is sent at your risk.



2) GCR List (General Certificate Rule): QRP ARCI will accept as satisfactory proof of confirmed QSOs and that the QSLs are on hand as claimed by the applicant if the list is signed by: (a) a radio club official, OR (b) two amateur radio operators, general class or higher, OR (c) a notary public, OR (d) a CPA. If none of the above are readily available, a photocopy of both sides of the QSLs is OK. If you must send QSLs, which I really, really, really, strongly discourage, please include postage for their return. QRP ARCI is not responsible for lost or damaged QSLs.

3) QRP ARCI member numbers are not published. The Awards Program will accept as satisfactory proof for any of the club awards a QSO with a club member giving their membership number and power output in the log data. If the QRP number and power are not given a QSL is required for confirmation. See Note 2 above.

4) Endorsement certificates are available for a) One Band, b) One Mode, c) Natural Power, d) Novice and e) Two-way QRP if log data so indicates.

Send Applications to:

QRP ARCI AWARDS CHAIRMAN  
Steve Slavsky, N4EUK  
12405 Kings Lake Drive  
Reston, VA 20191-1611

Please include your e-mail address on any correspondence or applications.

My goal is to turn around your applications in less than 30 days, from the time you send the application to the time you receive the award in the mail (CONUS only, subject to the vagaries of the US Postal Service, contests, foxhunts, etc., etc. :-)). Please be sure to enclose your e-mail address with any application. I want to let you know when I receive your application so you know it got through. It will also be helpful if I have any questions about your application. In the case of the 1000 miles per watt award, please don't forget the ham at the other end of the QSO. Their efforts in detecting our signals makes your award possible. I will be happy to send them a certificate memorializing the QSO for \$1.00 (\$2.00 if overseas). It's a good advertisement for the rewards and fun of QRP operating.

You do not need to be a member of QRP ARCI to apply for any of these awards. I know not everyone on QRP-L is a member, so please see the QRP ARCI homepage for information on how to join, if you are interested. I will be writing a short column for the Quarterly restating much of this

information.

Last, if anyone has any awards outstanding that were been mailed to Chuck prior to this switchover, please let me know and I will work with him to see that your certificate is issued.

E-mail me if you have any questions about the QRP ARCI awards program.

Steve Slavsky, N4EUK  
QRP ARCI Awards Manager

-----  
Date: Sun, 10 Jan 1999 21:41:31 -0500  
From: Mike Boatright <ko4wx@mindspring.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [29343] MRX-40 Receiver Questions  
Message-ID: <369964DB.5DE@mindspring.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Wow! Thanks to all for the very interesting and helpful answers. To summarize, C2 matches the antenna, so it's reactance should  $\approx$  50 ohms. At 7040KHz, this works out to 470pF. Then find values of C1 and L1 that resonate at the desired frequency. The following formulas apply:

$$\begin{aligned}C_{total} &= (C1 \times C2) / (C1 + C2) \\F &= 1 / 2 \times \text{PI} \times \text{SQRT}(L \times C) \\X_c &= 1 / 2 \times \text{PI} \times F \times C \\X_L &= 2 \times \text{PI} \times F \times L\end{aligned}$$

For 3686, one solution is C1 = 237pF, C2 = 864pF, L1 = 10uH, and using standard values, C1 = 820 (Xc = 52ohm) or C1 = 910 (Xc = 47.4 ohm), C2 = 240pF or 220pF (I imagine either will work), and L1 = 10uH.

Interestingly, the NE612 Local Oscillator works by merely substituting a 3686 XTAL for the 7040 one, however the swing is only about 500Hz (measured).

Back to the breadboard to try to get the L0 swing wider. Gonna try 2 1N4004's, MV104, etc.

72 DE Mike, K04WX

--

Mike Boatright, K04WX

Amateur Radio Emergency Service,  
District Emergency Coordinator to Georgia Emergency Management Agency

-----  
Date: Sun, 10 Jan 1999 19:44:29 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: Jim Lowman <jmlowman@ix.netcom.com>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [29344] Re: How did you get your design background?  
Message-ID: <Pine.BSI.3.96.990110192724.2327A-100000@usr06.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 10 Jan 1999, Jim Lowman wrote:

> Gang,  
>  
> I know that many of you have considerable expertise in electronic  
> circuit design, as seen at Pacificon, in the various QRP periodicals,  
> and here on this list. Just curious where you gained your knowledge,  
> and if you have any favorite books or references that you'd care to  
> share.

>  
Speaking for myself, it started with a Heathkit CR-1 crystal diode radio, which got me curious about radio, how it worked, and how to design it. With parts from thrown-out TV sets (tubes at the time), I made a number of superhet and regen receivers, then graduated to short-wave listening, where I learned a bit about antennas and propagation.

Most of my design knowledge comes from experimenting on my own, not from work. Work designs are usually very narrow in focus, and you can spend your working life doing lots and lots of very little.

I could recommend quite a few books, but most of my design knowledge of late comes from papers in professional journals, etc., and applying the information gained to my own ongoing designs.

For linear design, I don't consider anything published in the last 10 years to be of much value. You're much better off looking at books from 1950-1985, when innovation was still alive and the computer had not displaced creativity.

,-----.  
/ What's all this \  
/ extinct stuff, anyhow? /

Circuit Design for the  
RF Impaired

Chris Trask / N7ZWY  
Principal Engineer  
ATG Design Services  
P.O. Box 25240  
Tempe, Arizona 85285-5240

Technical Editor,  
QRP Quarterly  
QRP ARCI 9464

Email: [ctrask@primenet.com](mailto:ctrask@primenet.com)  
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Sun, 10 Jan 1999 21:58:08 -0500  
From: "Mitch Dickson" <mitch@volstate.net>  
To: <wb5qyt@eFortress.com>, "Low Power Amateur Radio Discussion" <grp-1@Lehigh.EDU>  
Subject: [29345] Re: SW- series question  
Message-ID: <008d01be3d0e\$38e327c0\$09338cd1@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Dave does nice work doesn't he Tom? No you will never notice that RIT is necessary, but Dave offers it if you want it, with the SW radio's. I have all 4 bands in a Makita drill box. They all work beyond what Dave says they will do. You can't go wrong, go for it! CU Mitch

>

Date: Sun, 10 Jan 1999 20:22:16 -0700  
From: Jess Gypin <jessqrp@concentric.net>  
To: qrp-l@lehigh.edu  
Subject: [29346] Nice QRP Christmas Story  
Message-ID: <36996E67.5D2CE574@concentric.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I know that I am always a day late and a dollar short. I just looked at the QRRL members web page for the first time in a while. There is a story there call "a QRP Christmas" that is very nice by Jeff Davis, N9AVG. If you are a member, I wuold suggest that you cruise over to <http://www.arrl.org/members-only/extra/features/1998/1215/8/> and have a look see. Really nice job

Jess

--

Jess NOTFI <><  
<http://www.concentric.net/~jessqrp> Personal Home page  
<http://qsl.net/n0tfi/bug.html> Bug Stories

-----

Date: Sun, 10 Jan 1999 21:01:51 -0700  
From: W6RCecila <w6rca@ibm.net>  
To: qrp-l@Lehigh.edu  
Subject: [29347] Worldradio web address  
Message-ID: <369977AF.28C5@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Someone said Worldradio didn't have a web address but they do: <http://www.wr6wr.com/>

--

73, Cecil, W6RCA <http://people.delphi.com/CecilMoore>

-----

Date: Sun, 10 Jan 1999 23:10:49 -0500  
From: "George Heron" <gheron@idt.net>  
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [29348] Atlanticon pre-registrants ... see who's coming!  
Message-ID: <001f01be3d18\$632e7110\$7e3984a9@herong.dialogic.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Things are moving along quite well for planning the Atlanticon 99 QRP Forum being held at the Timonium Hamfest weekend March 26-27 near Baltimore, MD. Many details are now coming together, the speakers are working diligently on their top-notch papers, and the hotel rooms are filling up. We'll be able to give some sneak previews of the exciting presentation topics real soon.

Shown at the bottom of this e-mail is a list of those who are pre-registered for the QRP Forum being held all day Saturday March 27th at the Holiday Inn Select in Timonium. Just take a look to see all those familiar names & callsigns that will be attending! Man, what a way to start off the season. A great speaker line-up for all day Saturday (NN1G, N2CX, W4RNL, K5FO, NA5N, and KD1JV), a hospitality suite on Friday evening, and a building contest on Saturday evening.

Pre-registration entitles you to get an "Atlanticon registration number" that will be on a very special badge to be prepared in advance of the weekend. These registration numbers will be used in the many drawings for a whole bunch of real nice prizes throughout the Friday and Saturday QRP activities there at the hotel: NC20 xcvr, EMTECH xcvr, SW-40+ xcvr, 44-Magnum xcvr, ladder grabbers, DX QSL Guide, QRP Data Books, ZM-2 ATU, .... wow! (Winners will need to be present to collect these cool prizes.)

Remember to reserve your room at the Holiday Inn Select (it's best to call them direct at 410-252-7373 and ask for the Atlanticon block of rooms at the special rate of \$69/night).

And be sure to get to Dave Maliniak, N2SMH (dmaliniak@penton.com ) if you haven't pre-registered yet or if you \*have\* pre-registered but don't see your name listed below.) We've got Dave busier than the proverbial one-fingered CW op (i.e., using a K8FF Paddle) and some names might have fallen through the crack ... and we don't want to miss anyone for this incredibly exciting first QRP event of the season!

You can see the very latest details on Atlanticon preparations and events at the New Jersey QRP Club website: <http://www.njqrp.org>. (The Jersey QRP Club is the proud sponsor of Atlanticon.)

Okay, here's who's coming. We're planning a special mailing to all attendees prior to Atlanticon, so be sure to give us your ground mail address too when pre-registering with N2SMH.

ATLANTICON '99 QRP FORUM PRE-REGISTERED LIST:

1. John Humphrey W4IM
2. Bob Scott W4FPJ
3. Penny Meyer (no callsign)
4. Bill Nicolson, N2WF

5. Bruce Muscolino, W6TOY/3
6. Jake Carter N4UY
7. Scott Howell/n3bby
8. Ron Polityka WB3AAL
9. Harry Bump KM3D
10. Charles Kadesch W3KC
11. Harry T. Hurst WA3PTG
12. Howard Weinstein K3HW
13. Jim Nestor, WK8G
14. Dave Dabay KD3PC
15. Joe Mikuckis K3CHP
16. George Heron N2APB
17. Chuck Adams K5FO
18. Rich Arland K7SZ
19. Edwin L. Roswell III K2MGM
20. Lillian Roswell (no callsign)
21. Dean Marzocca N2TNN
22. Henry Schaumloffel K3PM
23. Chris Cartwright N3XRV
24. Thaire Bryant W2APF
25. Debbie Bryant (no callsign)
26. L.B. Cebik W4RNL
27. Cal Cotner K4JSI
28. Paul Craig N3YSI
29. Tom Waits AC5JH
30. Seabury "SEAB" Lyon AA1MY
31. Bob Reisenweber W3BBO
32. Bill Harding K4AHK
33. Watts Hill K4QJZ
34. Ted Beach K4MKX
35. Tom Lifland W2RFU
36. Preston Douglas WJ2V
37. Joe Everhart N2CX
38. Paul Harden NA5N
39. Jan Medley N0QT
40. Joe Burgess W3PNL
41. Russ Mumaw K3NLT
42. Janet Schaumloffel (no call sign)
43. Kevin F. Glynn
44. Jim Gooch, NA3V
45. Rex Harper W1REX
46. T.J. "SKIP" AREY N2EI
47. Ken Newman - N2CQ
48. Bill Creekmore, W2DP
49. Jim Francoeur KC1FB
50. John L. Sielke N4JS
51. Charles J. E. Wolfe Jr. KB2SYB
52. Kenneth A. Andersen KA3WMJ

53. Steve Slavsky, N4EUK
54. Scott Bauer, W3CV
55. Jean R. Cebik, N4TZP
56. Rod Clayton KA3BHY
57. Richard Bachmann, N3SLR
58. Mike Czuhajewski WA8MCQ
59. Ben Pooley, VE1AHX
60. Nicholas Marzocca (no call sign)
61. Dave Benson, NN1G
62. Len Barish N2BSC
63. Clint Hyer KC2EIU
64. Jeff Greer WD4ET
65. Bob Berlyn N1PWU
66. Dave Maliniak N2SMH
67. Clark Fishman WA2UNN

Looking forward to seeing you all at the Atlanticon 99 QRP Forum in a couple of months!

72/73,

--George Heron, N2APB  
n2apb@amsat.org in Sparta, NJ  
for the NJ-QRP Club at <http://www.njqrp.org>

-----  
Date: Sun, 10 Jan 1999 22:21:39 -0600  
From: "Kelly Ellison" <kelman@dialnet.net>  
To: <Qrp-1@Lehigh.EDU>  
Subject: [29349] trade for QRP Quarterly, QRPp or other publications  
Message-ID: <199901110421.WAA08051@dialnet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi all,

After missing out the other day, I would like get a hold of complete sets of QRP Quarterly and QRPp or other QRP publications.  
Have a S&S Engineering TAC-1 40 meter rig to trade towards such a collection.

Also, I have two Index Labs QRP++ rigs, one with the companion... in new condition and high serial #. Have been thinking that I don't need two and might do some horse trading... maybe for a nice Sierra or other QRP goodies



of equal value. Contact me at kelman@dialnet.net for more information.

Thank you,

Kelly Ellison - WB0WQS - Aurora, Mo. QRP-L#702, New QRPARCI member.

-----  
Date: Sun, 10 Jan 1999 23:42:36 EST  
From: we6w@juno.com (Ed Loranger)  
To: rwc@frii.com  
Cc: qrp-l@lehigh.edu  
Subject: [29350] K0RWC/AE QSO Party -- Bands are tuff.  
Message-ID: <19990110.203911.4903.15.we6w@juno.com>

Hey Rod. I just couldn't find you tonight. Had some nice qso's looking for you though. Hope your QSO party is going OK. But tough to find you from CA.

Just a note showing I tried OM. Congrats on the upgrade to EXTRA!

-Ed

72, Ed WE6W QRP-Z#106 -L#1068, AR Millennium QSO's=102/2000  
<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA  
QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

-----  
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or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sun, 10 Jan 1999 20:44:41 PST  
From: "Bruce Prior" <n7rr@hotmail.com>  
To: qrp-l@Lehigh.EDU  
Subject: [29351] Long Live Amateur Radio, thanks Brian!  
Message-ID: <19990111044442.22479.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain

Anybody who thinks amateur radio is doomed, cheer up and check out both websites of Eagle Scout Brian Mileschosky, N5ZGT.

<http://www.unm.edu/~brianm>  
<http://www.swcp.com/~n5ngt>

Maybe there would be chance of a organizing a bi-national American Venture Scout troop and Scouts Canada group in the White Rock, BC / Blaine, WA area which could perhaps combine sea/land rescue with amateur radio. Does anybody have any ideas?

72, Bruce Prior, N7RR  
member, American Alpine Club  
former BSA Assistant Scoutmaster

n7rr@hotmail.com

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Sun, 10 Jan 1999 22:50:24 -0600  
From: David Gauding <david.gauding@bbs.galilei.com>  
To: qrp-l@lehigh.edu  
Subject: [29352] NVIS (A Practical Design)  
Message-ID: <1.5.4.32.19990111045024.00938150@bbs.galilei.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang,

I've used an NVIS-type antenna since 1991. The design is described by W4NVK in his article in the October 1969 issue of 73 magazine. It's called "A Super Gain Antenna for 40 Meters".

Gene Dusina's antenna works exactly as advertised on 40M. I've traded letters and phone calls with the designer over nine years. With W4NVK's blessing my follow-up article has been in the works for ages. But, like everything else the project needs sufficient time set aside to do it justice.

I have modified the antenna for portable use. The field kit sets-up in just ten minutes! The St. Louis QRP Society has used this version of the "SGA" for four Field Days with excellent results. I don't think the club will mind my suggesting the design has made believers out of many of us!

I seriously debated even mentioning the SGA on QRP-L. We seem to have a number of posters on here from the bitch-before-you-build-it school. With this in mind perhaps these folks will make an exception and actually use the antenna on the air before making one of those sweeping negative pronouncements? That shouldn't be too hard. It takes about thirty minutes and a five dollar bill! <g>

Okay, fixed location builders may want to follow the original article which describes a coax-fed SGA. Portable ops can follow these instructions:

1. Build a center-fed 40M wire doublet about 66.5' in length. Install in the clear at seven feet! Yep, just seven feet! NVIS and stealth in one package!
2. Cut three reflector wires 70' long. Install one directly on the ground under and parallel to the doublet. Install another 6' away from and parallel to the doublet. Repeat on the opposite side with the remaining reflector. The antenna footprint is now 70' by 12'.
3. Feed with 50 ohm coax or tuned feeders. Actually, I prefer twinax because it takes what is already a super-quiet antenna and makes it even better in this regard. The shield can float or ground it at the tuner end only. Leaving any type feedline rest on a reflector on its way to the tuner is okay.

Daytime performance for the SGA can vary from 50 miles to maybe 300 miles. Nighttime range will vary widely with 200 miles to 500 miles typical. In any case the SGA is propagation sensitive in the extreme with particular emphasis on the grayline. Signals falling within the antennas ideal operating range are usually intense.

>From St. Louis, I've worked the west coast with the SGA running five watts and the east coast on one watt. This is not common but perhaps one reason why a non-directional and non-DX type antenna is appealing. You just never know where a response is going to come from. Example! On 1/6/99, calling CQ on 40CW at 5W from my home station, was answered by N2IX/QRP in NY followed by K0RWC/QRP in CO and finally K7TQ in ID. These three ragchews occurred during a sixty minute period over a pretty wide range of real estate.

My article (hopefully finished soon) will mention engineering notes from W4NVK that are helpful for understanding how the antenna works. Several unusual reflector configurations that help tailor antenna performance a bit. Plus, stealth installation techniques that may be helpful to those faced with restrictive covenants. Finally, SGA operating reports drawn from several St. Louis QRP Society experiments and portable events.

Please don't let the simplicity of this project deter you from trying an SGA! W4NVK's design is a high performance close-in antenna that does precisely what it is supposed to do.....and sometimes a little more! <g>

I tuned on the backyard floodlight and am looking out the window at the seven foot high wire as this is typed. Yesterday, I worked N0AR at 1626Z in MN as he was running 100mW in the MI-QRP Contest. Today, KG4ADU at 1657Z running 1W from GA in the same contest! Tonight, a few minutes ago at 0417Z, it was N1TP running QRP in FL. Fun stuff with a fun antenna!

Very best regards,

de Dave, NF0R      nf0r@slacc.com

-----  
Date: Fri, 08 Jan 1999 07:32:31 -0800  
From: utahfolk@konnections.com  
To: qrp-1@lehigh.edu  
Subject: [29353] UT Skeds  
Message-ID: <3696250F.2BD0@konnections.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Those of you who replied re: a sked with UTAH ...I have all info and am trying to get a plan together to do them ... although I should have sed it's mainly CW HF I had in mind ... 1296mHZ via meteor scattter + tropo + tall building diffraction paths are probably out from here ... don't have tall enuff bldgs ... more later ... if you want a sked, litmeno!

.... de OG KD7AEE

-----  
Date: Mon, 11 Jan 1999 00:09:08 -0600 (CST)  
From: William-McShan@ouhsc.edu (Mike McShan)  
To: qrp-1@Lehigh.EDU  
Subject: [29354] Re: Long Live Amateur Radio, thanks Brian!  
Message-ID: <v01540b00b2bef02f5625@[129.37.232.77]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

> Anybody who thinks amateur radio is doomed, cheer up and check out  
> both websites of Eagle Scout Brian Mileschosky, N5ZGT.  
>

I recently went to the technical books section at our local Barnes and Noble. There, seated cross-legged on the floor, was a young woman who I guessed was about 16-17 years old. Pretty typical looking the age - several rings in each ear, bluegenes, streaked hair. She was intently pouring over the oscillators chapter in the 1999 ARRL handbook! I was about to introduce myself when her (I assume) boyfriend came over and said, "let's go." He was carrying the Starr report (yuck).

Yep, there is always hope, and there are always bright, young people getting involved in ham radio. I just wish that there were a lot more.

72,  
Mike N5JKY  
Edmond, OK

-----  
Date: 11 Jan 99 01:25:46 EST  
From: Roy Lincoln <wa4dou@usa.net>  
To: qrp-1@lehigh.edu  
Subject: [29355] TOWER/ANTENNA QUESTION  
Message-ID: <19990111062546.25627.qmail@www08.netaddress.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

HI GANG,

I'M ABOUT TO ATTEMPT TO PURCHASE AN ACRE OF LAND IN THE COUNTRY, IN A SUBDIVISION, YET TO BE DEVELOPED AND BUILT. I'LL BE THE FIRST ONE IN. THE

DEVELOPER SAYS HE HAS NO RESTRICTIONS ON ANTENNAS OR TOWERS. THE WORLD IS RAPIDLY BECOMING A RATHER IDIOTIC PLACE, WHERE RHYME AND REASON HAVE OFTEN BEEN STOOD ON THEIR EAR! ANYONE HAVE ANY IDEA MY PLANS TO PUT UP ANTENNAS AND/OR A TOWER CAN BE FRUSTRATED AT A LATER DATE, IF THERE IS NO RESTRICTION INITIALLY OR ORIGINALLY? IF SO, WRITE ME! I NEED TO KNOW! THANKS ES 73 ROY LINCOLN WA4DOU

-----  
Get free e-mail and a permanent address at <http://www.netaddress.com/?N=1>

-----  
Date: Sun, 10 Jan 1999 22:33:33 -0800  
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>  
To: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
Cc: "qrp-1" <qrp-1@lehigh.edu>  
Subject: [29356] Re: ZL9CI Split Freq Operation  
Message-ID: <19990111063431.IHTC718@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Doc Lindsey, K0EVZ wrote:::

> I still don't know how to manage "up 5" though. None of my  
rigs will apparently go this difference. How do guys do it, I wonder?<

Doc, don't know which rigs you might be using but an "easy" mod for a "dual VFO" rig is possible on any radio which is tuned by voltage control (i.e. varying the voltage across a tuning diode to change the capacitance). A "dual vfo" is possible if you clip the + VOLTAGE WIRE going to the high end of the tuning pot and solder it to a SPDT switch (one side of the switch goes to the original pot and the other side of the switch goes to a newly added identical trim pot. Thus, with switch in one position, the freq can be adjusted to be up 5kHz or 7kHz or down or whatever from the switch in the other position. It takes a little working to get it calibrated, but certainly "pseudo dual VFO's operation" is possible! You also have to remember to throw the switch between listening and transmitting. I have not done the mod for my Norcal 40 for example, but because the Norcal tunes with VARACTOR DIODE as does the SW-40, the SST- etc., this is possible on a lot of rigs. This is not quite so easy on the Sierra or other rigs which use CAPACITORS for tuning, but certainly the principles are the same (adding C in parallel thru a low-stray-capacitance switch like banksread might do it!). GOOD LUCK and post your results!  
73/72 de alan

Alan Kaul, W6RCL, LaCanada-Flintridge, CA

<http://home.att.net/~alan.kaul/qrp.html>  
alan.kaul@worldnet.att.net  
w6rcl@amsat.org

-----  
Date: Sun, 10 Jan 1999 22:51:20 -0800  
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>  
To: <alan.kaul@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [29357] 000PS: Re: ZL9CI Split Freq Operation  
Message-ID: <199901111065218.IKJS718@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Ooops, I wrote:

>This is not quite so easy on the Sierra or other rigs which  
use CAPACITORS for tuning, but certainly the principles are the same  
(adding C in parallel thru a low-stray-capacitance switch like banksread  
might do it!).<

What I should have said is "...adding a VARIABLE CAP in parallel thru a  
low-stray-capacitance switch (like BANDSPREAD) might do it."

Happy soldering!

Alan Kaul, W6RCL, LaCanada-Flintridge, CA  
<http://home.att.net/~alan.kaul/qrp.html>  
alan.kaul@worldnet.att.net  
w6rcl@amsat.org

-----  
Date: Sun, 10 Jan 1999 23:14:01 -0800  
From: "Eric Swartz - WA6HHQ, Elecraft" <erics@elecraft.com>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [29358] ZL9CI  
Message-ID: <3699A4B9.3F45D312@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Worked ZL9CI this weekend QRP on 10, 15 and 20m. On 20m I busted a pile up of  
QRO ops. On 15m I worked them when they were only S1 here - they have great  
ears.

Who says QRP DX can't be fun!

No comment on the radio I was using (though it was 'after hours') - I'm supposed to be packing kits to ship!

73, Eric

-----  
Date: Sun, 10 Jan 1999 23:24:52 -0800  
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Cc: "'jparker@fix.net'" <jparker@fix.net>  
Subject: [29359] NorCal 20 Boards to be ordered Monday, Jan. 11  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable  
Content-Transfer-Encoding: quoted-printable

Good news. The fifth generation NorCal 20 boards came back from the =  
prototype house last Thursday. Dave Fifield built the board with a set =  
of parts that I kitted, and everything is perfect. It worked first time =  
out of the box, and all parts fit. The case fits. It is now time to =  
order the production boards. Dave will place the order tomorrow, and we =  
should have the boards back by Jan. 21.

Dave is just about finished with the manual, and will in fact send a =  
copy Monday to Richard Fisher, NU6SN, who will proof the manual, make =  
suggested corrections and changes, and then we should have a final =  
manual by Thursday or Friday. It will then go to the copy house, and we =  
should have manuals in a couple of days.

I only have 200 more kits of parts to go to have all the sold kits =  
ready. I am able to do about 100 kits per week, so should have them all =  
ready for Jim to ship by the end of the month. Both Jim and I thank you =  
for your patience. It has taken longer to get this kit out than was =  
planned, but we wanted it to be done right. I saw a sign one time in a =  
printers office. It said we do work Good, Fast and Cheap. Pick any =  
two. A good sign.

Your patience and understanding has been outstanding. NorCal kits are =  
club kits, and all work is done by volunteers. The kits are sold at =  
very low prices because of the volunteer labor, the savings realized by =  
buying in huge quantities, and by the fact that the kits are presold. =  
It would not be possible to do a kit of this complexity without =  
preselling them.



The NorCal 20 has gone through 5 board revisions, we have built 10 = prototypes, and Dave Fifield, Dave Meacham, Mike Gipe, and Gary Surrency = have gone through the radio literally part by part leaving no "part = unexamined" in order to make this the best radio that we can. Quality = takes time, yet, this radio was not started until March of last year. I = think the guys have done an outstanding job. Soon, you will be = receiving your NorCal 20 package. It will contain a custom case made of = .060 aluminum with counter sunk screws, all knobs (including one for = the RF gain pot on the rear panel), controls, a Custom Keyer Chip = designed especially for the NC20 by Embedded Research, an Audio = Frequency Annunciator Chip (gives the frequency readout in Morse code), = a TFM-2 mixer chip (not another NE602 mixer!!), RIT with a center = detente pot (thanks to the savings on the mixers made possible by Dave = Gauding and the guys in the ST. Louis QRP Club), AGC, a full 5 Watts of = output, and a 2 Watt LM380 audio chip, all board parts, a commercial = quality double sided, plated through, solder masked, silk screened = board, and a 40+ page manual. There are 350+ parts in the kit, and it = will come in 7 small bags, sealed in a larger 6 x 10" bag.

I have tried to keep you informed of the progress and thank you for your = support and understanding. 72, Doug, KI6DS

-----  
Date: Mon, 11 Jan 1999 02:33:31 EST  
From: N7YA@aol.com  
To: qrp-1@lehigh.edu  
Subject: [29360] Re: ZL9CI  
Message-ID: <e4209e34.3699a94b@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

In a message dated 1/10/99 11:16:46 PM Pacific Standard Time,  
erics@elecraft.com writes:

<< Who says QRP DX can't be fun!  
>>  
AMEN!!!

73...Adam, N7YA

-----  
Date: Mon, 11 Jan 1999 07:14:42 -0500  
From: n3aaz-qrp@juno.com (John R Kirby)  
To: david.gauding@bbs.galilei.com, qrp-1@Lehigh.EDU

Subject: [29361] Re: NVIS (A Practical Design)  
Message-ID: <19990111.071449.-198171.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Dave -NF0R-

Thank you.

I subscribe to the school of

..."pass the information please"...

you did an outstanding job.

Thank you Gene -W4NVK-

John  
N3AAZ

>  
>de Dave, NF0R      nf0r@slacc.com  
>

---

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-----  
Date: Mon, 11 Jan 1999 07:24:02 -0500  
From: kf2ew@juno.com  
To: qrp-l@lehigh.edu  
Subject: [29362] Hawaii QRP  
Message-ID: <19990111.072409.9182.0.kf2ew@juno.com>

A couple days ago someone from Naples, FL. posted a message about working Hawaii QRP. About one minute ago I accidentally deleted it.

Any chance of a repost?

Sorry and thanks,  
Mike, KF2EW

---

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or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Fri, 4 Dec 1998 20:38:39 -0500  
From: andymeng@juno.com (Andy C Meng)  
To: qrp-1@lehigh.edu  
Subject: [29363] andymeng: Re: Spartan Sprint & Sierra  
Message-ID: <19981204.203841.9126.1.andymeng@juno.com>

Does this really work?? I had that idea a couple months back, and I have the LM567 tone decoder IC here, just haven't messed w/ it yet. I cant find any good data sheets/app notes on the internet. I think it would be a great filter, all you would hear is what happened to be at the center freq. and within the bandwidth. You could adjust these so your signal sounded perfect and then adjust your code osc. freq. Does anyone have any ideas on how to use this IC??

The app. notes don't have much on how to use this.

My SW-40+ is working fine. I have finished putting it in the case and I have made 2 contacts so far. One was with K8IQY about 200 miles, the other was with WA2FFL in NJ, almost NYC, about 550 miles. I was running 2 watts for both. Hope to get some more soon.

Andy KC8KFI

On Tue, 5 Jan 1999 21:05:29 -0500 "Mitch Dickson" <mitch@volstate.net> writes:

>

>I've

>>never before had anything like the ability of this ABX

>>filter to slice a slot for a weak signal, making

>>it sound like only sig on the band! I still have trouble

>>believing it.

>Really? You ever taken a DMTF chip and rigged the input to 800 hertz

> +

>or - 10% and rigged the output through a couple of 123A's to key a

>practice

>oscillator? How about no noise at all :) Throw in a compander

>circuit and

>a dash of salt and Voondiber!

>But then, perfect can be so annoying ;)

>CU Mitch

-----

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-----  
Date: Mon, 11 Jan 1999 08:42:48 -0500  
From: Donald Lefrancois <wb1cdh@mci2000.com>  
To: QRP-L <QRP-L@LeHigh.edu>  
Subject: [29364] RG 174/U and QRP ?  
Message-ID: <000301be3d68\$48555e80\$644537a6@DonaldLefrancois>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

I realize RG 174/u is way down on the "use" list but does anyone out there use it for QRP work..and does it attenuate your signal so much it isn't worth the effort? I want to put together an antenna package that will take up the minimum amount of space. Bulky feed lines drive me nuts.

Don K1NNP

WB1CDH@CWIX.COM  
NE #436 , NorCal #1518 , QRP-L #1778  
G-QRP #10211

-----  
Date: Mon, 11 Jan 1999 08:50:54 EST  
From: w4pj@w4bkx.ampr.org  
To: qrp-l@lehigh.edu  
Subject: [29365] Re: Split operation  
Message-ID: <41624@w4bkx.ampr.org>

Doc says "none of my rigs..."

If you have two rigs, use one as a reciever and the other for transmit.  
A dowkey or similar relay can be configured to protect the front end  
of one rig when transmitting on the other.

de Scott / W4PJ

"Been there done that"

Running Multi-single, we used two Icom Xcvrs. Keying them both at the same time running one at lowest possible output into a dummyload. The Icom's have separate recieve antenna inputs.

-----  
Date: Mon, 11 Jan 1999 06:55:39 -0700  
From: K0RWC <rlwc@frii.com>  
To: rlwc@frii.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [29366] Re: QST DE K0RWC/AE: PARTY!  
Message-ID: <3.0.5.32.19990111065539.0081a970@mail.frii.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 06:45 PM 1/9/99 -0700, you wrote:

>Folk!

>

>YAHOO!!! I did it, I passed my EXTRA today! So to celebrate I'm hosting a  
>ORP QSO Party.

>

...

BUMMER! 90Min. of calling CQ and only one contact, Jerry, WOMC (he lives a few blocks away, easy 599 :-). I got email from Ed, WE6W, he tried but heard nothin'. Oh well that's life in the QRP Radio Biz.

A bad day calling CQ on a QRP Rig, beats a good day at work. ;-)

---  
72/3 K0RWC  
Rod Cercone, QRP-L #1764.  
Fort Collins, CO  
da di dah

-----  
Date: Mon, 11 Jan 1999 08:57:56 -0500  
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>  
To: <qrp-L@LeHigh.edu>  
Message-ID: <002e01be3d6a\$65111a80\$04000a0a@nwarfiel.usf.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

NORCAL 20 Manual

To the nice gang doing the job.

Once you have the instruction manual finished, just send it via e-mail as

an attachment, and I will translate it into Spanish, so that NORCAL will have the ability of sending the manual in that language to those that may need it.

Arnie Coro  
C02KK

-----  
Date: Mon, 11 Jan 1999 09:38:03 -0500  
From: n3aaz-qrp@juno.com (John R Kirby)  
To: david.gauding@bbs.galilei.com, qrp-l@Lehigh.EDU, nf0r@slacc.com  
Subject: [29368] NVIS / "SGA" MORE INFO PSE  
Message-ID: <19990111.093922.-16557.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Dave -NF0R-

re:your post ...NVIS (A Practical Design)...

>2. Cut three reflector wires... Install...

Question,  
What "potential" are these reflectors? Earth or floating. If I use metal conduit to support the two "6 foot" reflector wires, must they be "insulated" from earth?

Thanxs again

John  
N3AAZ

.

-----  
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-----  
Date: Mon, 11 Jan 1999 08:36:56 -0600  
From: "Jeff M. Gold" <JGold@tntech.edu>  
To: QRP-L #98 <qrp-l@lehigh.edu>  
Subject: [29369] Fw: Corsair I question  
Message-ID: <004401be3d6f\$d6842040\$4d0b9595@cc.tntech.edu>

MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Since Chuck has the "et. al.," I figured it was ok to send this to group if he hasn't already done it. I really appreciated his help. I was about ready to throw the rig out the window when I heard the relays. If I want a great receiver and don't mind relays, already have a Kenwood 850. The mod took all of a couple of minutes including popping the cover, think it is the bottom. located the picture in the manual. Located the relay. found the transistor and clipped the base very carefully. slightly bent the transistor back to separate the clipped parts. Only problem was even with my glasses, eyes aren't the best for that distance.. time for new reading glasses.

I now love the rig.. only other problem was a thumping in receiver at fast agc, but found in the manual and got lots of email, you just tune the RF gain the way it says in the manual and it works GREAT. My rig has the 1.8 and 500 filters I find with the very effective notch, the RF gain and the VBT I can work very weak signal. Had the meter on the wrong setting thought I was working at 4.5 watts, it was under 1 watt or thereabouts and worked up a storm.

72

Jeff, AC4HF

----- Original Message -----

From: Chuck Adams <adams@ticnet.com>

To: Jeff M. Gold <JGold@tntech.edu>

Cc: qrp <qrp-1@lehigh.edu>

Sent: Friday, January 08, 1999 12:54 PM

Subject: Re: Corsair I question

>

>Jeff et.al.,

>

>If you have the schematic(s). And I don't think there were  
>any version levels to worry about, so this outta work for them all.....  
>No warranties, implied or otherwise....

>

>Page 3-26 there is a reed relay K1 on SWR Board 80970.  
>Leave it alone. I could hear this one too but it's fairly quiet.

>

>On page 3-30 there is another relay K1 on the control board.  
>This one is the noisy one and controls an external PA, which  
>I think most of us don't know how to use or even own one. :-)  
>:-) See Q10? Carefully clip the BASE (that's the center leg  
>of the critter) with your finest pair of diagonal cutters. If you

>need back, like in a sale, you can spot solder it and noone  
>will be the wiser. IMHO.  
>  
>Hope this helps. If someone tells me and guarantees that  
>K1 on the SWR board is not needed I'll disable it and close  
>the contact faster than you can say QSK!!!  
>  
>FYI  
>  
>  
>--  
>Chuck Adams K5FO adams@ticnet.com CP-60  
><http://www.ticnet.com/k5fo>  
>

-----  
Date: Mon, 11 Jan 1999 07:48:45 +0000  
From: Roger Hightower <n7kt@earthlink.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [29370] Today's Y2K post  
Message-ID: <3699ACDD.E1893AF7@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Couldn't resist this one. Someone sent it into the local newspaper  
computer columnist, obviously in jest:

"REDMOND, Wash. -- Microsoft announced today that the official release  
date for the new operating system Windows 2000 will be delayed until the  
second quarter of 1901."

--  
72/73, de Roger, N7KT - QRP-L #62 - Zombie #006 - Mesa, AZ

-----  
Date: Sun, 10 Jan 1999 21:50:25 -0800  
From: Brad Bradfield <b\_bradfield@yahoo.com>  
To: wa4dou@usa.net, qrp-l@lehigh.edu  
Subject: [29371] Re: TOWER/ANTENNA QUESTION  
Message-ID: <36999121.22DF@yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii



Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Good morning Roy - -

I'd do a couple of things. One, get a formal letter from the land developer (probably not the builder) indicating that there are no covenants or other deed restrictions precluding antennas or towers. And second, go see the city (if you're within the city limits) to make sure they have no restrictions. Most counties (if you're outside the city limits) have no such restrictions. While at the city, ask them about deed restrictions or covenants. While they don't enforce them, they often know about them, and may have copies on file, if they exist.

Hope that helps.

72's es 73's,

Brad, W5CGH

-----  
Date: Mon, 11 Jan 1999 08:22:40 -0700  
From: Jeff Johnson <jeff@san-dc.com>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [29372] Re: Near Vertical Incidence Skywave (NVIS).  
Message-ID: <3.0.32.19990111082239.011950e0@san-dc.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Thanks to all for the response on the book!

>Hi, Jeff. World Radio Books is the only place I know of that has them.  
>About \$14.  
Jeff Johnson  
KJ7LO

AZ ScQRPions, QRP-1 1739, ICQ 213663

Phoenix, Arizona

-----  
Date: Mon, 11 Jan 1999 11:29:58 EST  
From: we6w@juno.com (Ed Loranger)  
To: Cellobrown@aol.com  
Cc: qrp-1@lehigh.edu  
Subject: [29373] Re: MRX-40 Receiver Questions

Message-ID: <19990111.082615.4903.0.we6w@juno.com>

On Mon, 11 Jan 1999 09:04:07 EST Cellobrown@aol.com writes:

>I apparently do not know how to address the list. Would you please do  
>so for me?

>

>When repairing a board, and a hole is plugged up, it can be easily  
>opened up again by melting the solder, which might necessitate paste  
>flux and more solder, and using a round toothpick to push the solder  
out.

>

>72/73

>

>W1HZE Charlie

>

72, Ed WE6W QRP-Z#106 -L#1068, AR Millennium QSO's=105/2000  
<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA  
QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

---

You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

---

Date: Mon, 11 Jan 1999 08:41:35 -0800  
From: "Alan Kaul W6RCL" <alan.kaul@worldnet.att.net>  
To: <b\_bradfield@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [29374] Re: TOWER/ANTENNA QUESTION  
Message-ID: <19990111164231.IMZW17623@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Brad Wrote:

>>One, get a formal letter from the land  
developer (probably not the builder) indicating that there are no covenants  
or other deed restrictions precluding antennas or towers. And second, go  
see the city (if you're within the city limits) to make sure they have no  
restrictions. <<

If you're thinking about buying a home and are worried about real estate  
covenants, go one step farther -- make any offer on buying a home  
CONTINGENT ON YOUR INSPECTION OF AND ACCEPTANCE OF DEED RESTRICTIONS AND

COVENANTS. As a general rule, the deed restrictions are made available as part of a title search. In California they are part of the deed record, and when you order a copy of the deed from the county, all terms of the deed are usually included. Buyer beware!

Alan Kaul, W6RCL, LaCanada-Flintridge, CA  
<http://home.att.net/~alan.kaul/qrp.html>  
[alan.kaul@worldnet.att.net](mailto:alan.kaul@worldnet.att.net)  
[w6rcl@amsat.org](mailto:w6rcl@amsat.org)

-----  
Date: Mon, 11 Jan 1999 11:53:50 -0500  
From: Zack Lau <[zlau@arrl.org](mailto:zlau@arrl.org)>  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [29375] Re: How did you get your design background?  
Message-ID: <[369A2C9E.15085DDF@arrl.org](mailto:369A2C9E.15085DDF@arrl.org)>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Making circuits out of old parts is a very cost effective way of learning design skills. The need to adapt designs to available parts forces creativity. --Zack Lau W1VT

-----  
Date: Mon, 11 Jan 1999 10:58:02 -0600  
From: William-McShan@ouhsc.edu (Mike McShan)  
To: [qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)  
Subject: [29376] Son of FireBall: Update  
Message-ID: <[v01540b00b2bfd2af1216@\[157.142.56.167\]](mailto:v01540b00b2bfd2af1216@[157.142.56.167])>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi participants in the Son of FireBall group purchase,

I spoke with the manufacturer of the 28.060 MHz oscillators this morning, and the units have been shipped. I should receive the package from UPS today or tomorrow.

So, if you haven't sent in your payment yet, now is the time to do so! I already have the mailing envelopes labeled and ready to go for everyone that has paid. If you're having a problem, just email me. I'm very understanding; I can remember several times when even an extra \$6.35 made a difference to the month's budget (ah, graduate school...). However, if I

don't receive payment or hear from you within the next week or so, I will sell them off via the list. Don't want to do so, but got to pay my VISA bill.

Recap: the oscillators are \$5.35 each plus \$1.00 shipping per total order. Send your check or MO (or coin of the realm if you wish) to:

Mike McShan  
4209 NE 143  
Edmond, OK 73013

Be seeing you all on 28.060 MHz soon! (Actually, probably in February after grant writing season is finished.... :-( )

72,  
Mike N5JKY

Forgot how many you ordered? Here's the list:

Name	Call	No.
Andreas	AD6FQ	1
Walter	AG5P	3
Chuck	K1CL	5
George	K4PYM	1
dave	ab5pc	2
Vic	AB6SO	1
Bob	AB7ST	1
Don T	AI4CW	1
Jim	AL7FS	1
Jon	ea2sn	4
Joel	K1QM	1
George	K3TKS	2
John	K5JS	2
Oscar	K5UBS	1
Red	K5VOL	1
Kaye	K8GZ	2
Steve	K8IDN	2
Douglas	KA2UPW	1
Rod	KA7YOU	2
Bruce	KB0PZD	2
Clyde	KB4CUQ	1
Mike	KB9OCE	1
Jim	KC1FB	1
Ed	KC4MHM	1
Nick	kf2ph	1
Rick	kf4ar	2
Mac	KF4KSM	2

Doug	KI6DS	5
Jim	KJ5TF	2
Bruce	KL7H	2
Wes	N0IHM	1
George	N2APB	2
Joe	N2CX	2
Robert	N2LO	2
Kevin	N2TO	1
Bill	n2wf	1
Al	N2ZHS	2
David	n2zhy	2
Alan	N3BJ	1
Scott	n3byy	1
Jerry	N4EO	2
Mike	N5JKY	3
Bart	N5WL	2
Ralph	N7RI	1
Bruce	N7RR	1
Skip	NC90	1
Steve	N0TU	1
Jerry	NR5A	1
Earl	VE3AB	1
Glen	VE3DNL	2
Peter	ve3gyy	1
John	VE3JC	1
Brien	VE3VAW	1
Jerry	W0MC	1
Lee	w0vt	2
Rex	W1REX	2
Tony	W2GUM	1
John	W2IV	1
Dick	W2SCF	1
Rick	W4SEA	2
Karl	W5QJ	2
Brian	W5VBO	1
Mike	W8DN	2
Joe	W8RIK	1
Vince	WA2ECP	1
Charlie	WA5KRF	2
Jerry	WA6OWR	2
Mike	WA8MCQ	4
Keith	WB2VUO	2
John	WB4OFT	1
John	WB8RCR	2
Rick	Wz2t	1
Frank Henrikson		2
Roger K Bassett Jr.		2

-----  
Date: Mon, 11 Jan 1999 11:51:39 -0500  
From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>  
To: QRP-L Discussion Group <QRP-L@LEHIGH.EDU>  
Cc: "Paul R. Valko" <prvalko@oakland.edu>, "W.D. (Doc) Lindsey/K0EVZ"  
<70511.3041@compuserve.com>  
Subject: [29377] FOX 1/13/99  
Message-ID: <199901111154\_MC2-6636-6C6F@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline  
Content-Transfer-Encoding: 7bit

Gang:

K0EVZ will be the FOX tomorrow evening (actually 1/13/99, UTC-wise). Brian is starting treatments for diabetes so I will be subbing for him. We expect he will be in my previous-scheduled slot on 2/17/99.

Here are the details:

2000-2200CST Tuesday 1/12/99 (this is 0200-0400Z, 1/13/99). I expect to start out about 7.044-7.045 +/- QRM.

Setup will be an OHR500 at 5 watts to the windom at 33'. I may be able to install a double bazooka at 38' as an additional antenna. But the windom served us well last time, so we are all set.

So come one, come all. Let's have a great evening. Fingers crossed here for good propagation for everyone :-).

72/73,  
--Doc Lindsey/K0EVZ  
DSBF  
P.O. Box 7187  
Bismarck, ND 58507  
E-Mail 70511.3041@compuserve.com

-----  
Date: Mon, 11 Jan 1999 12:02:55 -0500  
From: Hank Kohl K8DD <k8dd@contesting.com>  
To: wb1cdh@mci2000.com

Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [29378] Re: RG 174/U and QRP ?  
Message-ID: <4.1.19990111115600.00a1b500@192.0.0.1>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 08:42 AM 1/11/99 -0500, Donald Lefrancois wrote:  
>I realize RG 174/u is way down on the "use" list but does anyone out  
there  
>use it for QRP work..

Yes

>and does it attenuate your signal so much it isn't  
>worth the effort?

No - you'll lose about 50% of your power in 100 ft at 30M. For 40 less  
and for 80 even less loss.

>I want to put together an antenna package that will take  
>up the minimum amount of space. Bulky feed lines drive me nuts.

Besides, these are little watts here so we don't need that bulky stuff!  
^^^^^^Joke....Joke....Joke^^^^^^

Yes, RG58 would be better, but RG174 will work, and the loss between  
the two is not enough to be noticed by the receiving station!

73 Hank K8DD

\*/ Hank Kohl K8DD k8dd@contesting.com  
\*/ ARRL TS http://www.tir.com/~k8dd  
\*/ MI-QRP - Vice Pres. QRP-ARCI - Director  
\*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

-----  
Date: Mon, 11 Jan 1999 12:03:09 -0500  
From: Tom Palmer <n1tp@worldnet.att.net>  
To: rwc@frii.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [29379] Re: QST DE K0RWC/AE: PARTY!  
Message-ID: <369A2ECD.E8AB6BC9@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Rod, I listened for you on 7.007, 7.040 and 7.110 (+-). Never heard you. I called CQ, CQ for you on all 3 locations. Band conditions were excellent at 7.040. QSOed with VE3AR and KF0R/QRP (they called me in reply to my CQing to you). Sorry we could not have a QSO. Maybe later. Wonder if you every heard me? Tom, N1TP, Naples, Florida.

K0RWC wrote:

> At 06:45 PM 1/9/99 -0700, you wrote:  
> >Folk!  
> >  
> >YAHOO!!! I did it, I passed my EXTRA today! So to celebrate I'm hosting a  
> >ORP QSO Party.  
> >  
> ...  
>  
> BUMMER! 90Min. of calling CQ and only one contact, Jerry, W0MC (he lives a  
> few blocks away, easy 599 :-). I got email from Ed, WE6W, he tried but  
> heard nothin'. Oh well that's life in the QRP Radio Biz.  
>  
> A bad day calling CQ on a QRP Rig, beats a good day at work. ;-)  
>  
> ---  
> 72/3 K0RWC  
> Rod Cerkoney, QRP-L #1764.  
> Fort Collins, CO  
> da di dah

-----  
Date: Mon, 11 Jan 1999 16:58:19 +0000  
From: Peter Larsen <larsenp@cadvision.com>  
To: alan.kaul@worldnet.att.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [29380] Re: ZL9CI Split Freq Operation  
Message-ID: <369A2DAB.1C206BDA@cadvision.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

As the pile ups have quelled a fair bit ZL9CI is running  
simplex a fair bit. Worked them 14.205 simp last night  
and 28.480 simp last week.



Check out the online log book to see if you are there.  
The url has been posted before.

--

73 es have fun  
Peter  
VE6YC D021wc

-----  
Drinking and calculus don't mix. Never drink and derive!!  
-----

-----  
Date: Mon, 11 Jan 1999 11:18:01 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Low Power Group <qrp-l@LeHigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>  
Subject: [29381] FOX: K5FO  
Message-ID: <Pine.LNX.3.95.990111111551.31789B-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

....anyone seen Chuck's log for the fox hunt?.....need it for the Team  
scores....thank you..... :-)

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club "QRP! How sweet it is!"

-----  
Date: Mon, 11 Jan 1999 11:23:48 -0600  
From: "Larry Cruise" <aa5ta@texasonline.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [29382] Good NVIS sites  
Message-ID: <000301be3d87\$52bdc3c0\$df7df7d0@fpfzqlga>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

In case you haven't found these already

Excellent overview of NVIS  
<http://prairie.lakes.com/~jstanley/NVISPAT/nvispat.html>

How to make a NVIS antenna  
<http://www.qsl.net/vcars/CARL/NVIS.html>

If your present dipole is less than 1/4 wave high you already have a NVIS antenna.

I to have built Gene Dusina's antenna as described in David Gauding previous post.

(NVIS (A Practical Design)). This antenna does work very well for what it is intended.

It is amazing to see the difference in signal strength difference between these antennas and a vertical on paths out to 400 miles or so.

If you already have low horizontal antennas and can't get any thing higher your best bet is to add a vertical antenna of some kind to your antenna farm. I am presently using a SLV pole to support a vertical 20 foot wire with a single elevated radial. This antenna is fed with open-wire line via a tuner. Excellent performance on 40M-10M at very low cost. Makes a very nice portable antenna as well. Combine this antenna with a NVIS antenna and you have an excellent combo for the up coming FYBO contest.

-72 Larry aa5ta (West Texas)

-----  
Date: Mon, 11 Jan 1999 12:32:48 -0500  
From: Tom Palmer <n1tp@worldnet.att.net>  
To: alan.kaul@worldnet.att.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [29383] Re: TOWER/ANTENNA QUESTION  
Message-ID: <369A35C0.A2C9F234@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

1. Make sure the private restrictive covenants allow the tower/antennas at the height and exact location on the lot that you are contemplating. Read the covenants yourself. You are "charged" with the information that is in them even if you do not read them. In any event, get a written statement from the

developer that your specific proposed facility is not prohibited by the restrictive covenants.

2. Make sure your planned use is not prohibited by local government regulations. If in a municipal corporation, check with the City/Town/Village, as the case may be. If the lot is in the unincorporated part of your county, talk with the knowledgeable county employees. Fine out what tower heights are "PERMITTED USES" inclusive of the height of the antennas above the tower. Most counties have height restrictions on all communications towers, especially in districts that are zoned "residential." Find out whether your proposed use is a "conditional use", "special exception" or requires a variance. (Potential Problems!) If you need a permit from the local government and you can, in fact, acquire such a permit, get a written specific "Limited Power of Attorney" from the current lot owner that authorizes you to apply for all required permits before you purchase the lot. Most, but not all, local governments will allow such a procedure. Acquire the required permit before you purchase the lot. The permit will be good if and when you purchase the lot unless the permit has a limited duration (e.g., 6 months to commence construction of the tower, etc. and you fail to meet the deadline). Permit extensions are usually obtainable.

3. Enter into a purchase and sale agreement for the lot that is expressly conditioned upon your acquiring the required permit(s). Be very specific as to heights and exact location of the tower(s)). Pay attentions to set-back requirements! You should agree to make a good faith effort to acquire the permit or, otherwise, the agreement will be an "option" to purchase (an agreement without mutual obligations), and not a purchase and sale agreement.

4. If the lot is zoned for residential use, a ham radio tower is in all likelihood an "accessory use" and cannot be constructed before the residence (the "principal structure").

72/73, Tom, N1TP. Assistant County for Collier County, Florida. I wrote the "Collier County Tower Sharing Ordinance" and have conducted extensive legal research on these issues over the past 9 years.

Kaul W6RCL wrote:

> Brad Wrote:

> >>One, get a formal letter from the land

> developer (probably not the builder) indicating that there are no covenants  
> or other deed restrictions precluding antennas or towers. And second, go  
> see the city (if you're within the city limits) to make sure they have no  
> restrictions. <<

>

> If you're thinking about buying a home and are worried about real estate

> covenants, go one step farther -- make any offer on buying a home  
> CONTINGENT ON YOUR INSPECTION OF AND ACCEPTANCE OF DEED RESTRICTIONS AND  
> COVENANTS. As a general rule, the deed restrictions are made available as  
> part of a title search. In California they are part of the deed record,  
> and when you order a copy of the deed from the county, all terms of the  
> deed are usually included. Buyer beware!  
>  
> Alan Kaul, W6RCL, LaCanada-Flintridge, CA  
> <http://home.att.net/~alan.kaul/qrp.html>  
> [alan.kaul@worldnet.att.net](mailto:alan.kaul@worldnet.att.net)  
> [w6rcl@amsat.org](mailto:w6rcl@amsat.org)

-----  
Date: Mon, 11 Jan 1999 12:41:33 -0500  
From: "Ed Tanton" <n4xy@mindspring.com>  
To: <wb1cdh@mci2000.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [29384] RE: RG 174/U and QRP ?  
Message-ID: <006d01be3d89\$a156d970\$01010101@n4xy>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="Windows-1252"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Don, it really depends on the length... but even 20ft would start to be a problem I suspect (w/o looking it up.) Use some stranded RG-58. It's pretty small, and its quite flexible.

72 / 73 Ed N4XY email: <n4xy@mindspring.com>

-----  
Date: Mon, 11 Jan 1999 12:56:12 -0500  
From: "Ed Tanton" <n4xy@mindspring.com>  
To: <k8dd@contesting.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [29385] RE: RG 174/U and QRP ?  
Message-ID: <006f01be3d8b\$ad0d48b0\$01010101@n4xy>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="Windows-1252"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I'm sorry guys-I have to add a little further commentary. Unless you're

backpacking (and hence NEED the weight reduction) the idea of condoning a 50% power loss in an antenna is anathema to me.

Can you do it? Yes indeed-the RG-174 certainly isn't going to mind.

Are you still going to get out? Yes... all the milliwatters out there prove you can.

Will your QSO count go down? Absolutely-but probably not that much (e.g. not 50%).

But without serious cause, I cannot condone a loss of that magnitude. I wouldn't do it at 100W-much less 5W... it's just the principle of the thing.

72 / 73 Ed N4XY email: <n4xy@mindspring.com>

-----  
Date: Mon, 11 Jan 1999 11:59:35 -0600  
From: kkanalz@optelinc.com  
To: wa4dou@usa.net  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [29386] Re: TOWER/ANTENNA QUESTION  
Message-ID: <862566F6.00630253.00@hdxsmtp01>  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

Even if the builder DOES say that he "... has no restrictions on antennas...",  
be dee-double-sure you get some sort of clause WRITTEN into your sales contract!!! Have your lawyer prepare it and look over the final sales document before you sign! It's worth the small cost to have a lawyer take care of this for you, just to be sure all bets are covered for both now AND the future (who knows what foolishness future neighbors will get up to?).

Karl K. - W8TIf  
McKinney

P.S. I think you'll find that one acre is going to be small for your future antenna far needs, but it's sure a good place to start!

Roy Lincoln <wa4dou@usa.net> on 01/11/99 12:25:46 AM

Please respond to wa4dou@usa.net

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
cc: (bcc: Karl Kanalz/hdq/Optel)

Subject: TOWER/ANTENNA QUESTION

HI GANG,

I'M ABOUT TO ATTEMPT TO PURCHASE AN ACRE OF LAND IN THE COUNTRY, IN A SUBDIVISION, YET TO BE DEVELOPED AND BUILT. I'LL BE THE FIRST ONE IN. THE DEVELOPER SAYS HE HAS NO RESTRICTIONS ON ANTENNAS OR TOWERS. THE WORLD IS RAPIDLY BECOMMING A RATHER IDIOTIC PLACE, WHERE RHYME AND REASON HAVE OFTEN BEEN STOOD ON THEIR EAR! ANYONE HAVE ANY IDEA MY PLANS TO PUT UP ANTENNAS AND/OR A TOWER CAN BE FRUSTRATED AT A LATER DATE, IF THERE IS NO RESTRICTION INITIALLY OR ORIGINALLY? IF SO, WRITE ME! I NEED TO KNOW! THANKS ES 73 ROY LINCOLN WA4DOU

-----  
Get free e-mail and a permanent address at <http://www.netaddress.com/?N=1>

-----  
Date: Mon, 11 Jan 1999 11:19:20 -0700  
From: Niel Skousen <skousen@srv.net>  
To: qrp-1@lehigh.edu  
Subject: [29387] RE: RG 174/U and QRP ?  
Message-ID: <4.1.199901111110139.00932aa0@eaglerock.if.sciencetech.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

BUT as you say,... for a cause (eg travel / backpacking) it works

reasonably well...

My travel antenna kit includes:

- a ZM-1,
- 65' & 17' 28ga teflon wires wound on old 1/2" solderwick spools,
- 28ga 40m dipole/Inv V. w/ 30' RG-178/394? (small teflon version of RG-174) on a video spool
- 2 ea 2' & 1 ea 5' RG178/394 patch cables

The whole thing weighs in at less than 1.5#, fits in a 1.5 x 3 x 5 in space and gives me lots of antenna flexibility on the road. RG58 or larger is not an option for me when on travel or backpacking. I'm still working to make a backpackable homemade 300 ohm open line w/ 28ga teflon... so far the rg178/394 cable still is easier (though lossier).

FWIW, the travel radio's are one of the following NC40, SST, or HT750. The antennas, log, radio, batt's, key, etc all fit into a surplus laptop case (8 x 12 x 1.5 in) w/ room left for a 2m ht or little travel swl radio if I want it. total package weight is radio(s)+2lbs.

Still working on :

- a REALLY skinny package for the ARS sprints....
  - resonant speaker based on retired 1" laptop spkr (0 add'l current, or weight, or volume..)
  - paddle/keyer combination (.25 x .5 x 3 target)
  - .. .. .
- " ya, I'm gonna get it done tomorrow" =8-)

At 12:56 PM 1/11/99 -0500, you wrote:

>I'm sorry guys-I have to add a little further commentary. Unless you're  
>backpacking (and hence NEED the weight reduction) ...  
>  
>72 / 73 Ed N4XY email: <n4xy@mindspring.com>  
>

-----  
Niel Skousen Sr. Eng. Scientech / NUSI  
208.525.3742 nskousen@scientech.com WA7SSA/qrp  
-----

Date: Mon, 11 Jan 1999 11:23:12 -0700  
From: "Alyn Backe" <ve6bpr@cnnet.com>  
To: <wb1cdh@mci2000.com>  
Cc: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [29388] Re: RG 174/U and QRP ?  
Message-ID: <007e01be3d8f\$73a89bc0\$7406e5cf@laptop>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Why not try out a half-wave end-fed, and eliminate the feedline completely, and get results similar to a half-wave dipole.

The Spring/98 issue of QRPp had an excellent article on the EFHWA by Joe Everhart, N2CX. I use them at my home QTH for 30 and 40 meters. They work very well for me.

Best 72, AL, VE6BPR.....sk  
ve6bpr@cnnnet.com

Website: <http://cnnnet.com/public/ve6bpr>

-----Original Message-----

I realize RG 174/u is way down on the "use" list but does anyone out there use it for QRP work..and does it attenuate your signal so much it isn't worth the effort? I want to put together an antenna package that will take up the minimum amount of space. Bulky feed lines drive me nuts.

Don K1NNP

-----  
Date: Mon, 11 Jan 1999 11:23:02 -0700  
From: Niel Skousen <skousen@srv.net>  
To: qrp-l@lehigh.edu  
Subject: [29389] RE: Travel ant's & RG 174/U and QRP ?  
Message-ID: <4.1.19990111111947.00939c50@eaglerock.if.sciencetech.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

oh one more travel goodie that has been a help....

if space permits I throw in a retired collapse-able fishing pole (short, <22" collapsed, <5' extended).

IF the hotel has openable windows (even 1") I use the fishing pole to get the dropped end-fed wire away from the building, leaving the counterpoise run around the room - really helps alot



Niel

-----  
Niel Skousen Sr. Eng. Scientech / NUSI  
208.525.3742 nskousen@scientech.com WA7SSA/qrp  
-----

Date: Mon, 11 Jan 1999 18:37:36 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: qrp-1@lehigh.edu  
Subject: [29390] Belated QSL no longer!  
Message-ID: <369A44F0.6D09@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Top of the morning to all my friends here on qrp-1.

OK. Have you been waiting for that we6w qsl? Wondering what is up with ol' Ed?

Wait no more! The 1998 qsl cards are going out, finally!

Got some cards last week and just picked up lots of stamps today. The new cards look great.

I sent one out to WA9PWP/Paul for the Zombie Shuffle today and just added a 1 Cent stamp to be sure it gets there :)

Go to <http://www.qrz.com> and search for we6w.

You will see my card and slightly updated Biography.

I have 4 cards with a little pixie2 on them and QRPP on the front. These are very special and will go to any Pixie2 to Pixie2 contact I get. Only 4 of them, so that's all there will ever be.

I will qsl with the special pixie2 cards providing that only the Pixie2 is used at less than one watt, and no other TX or RX is used with the pixie2 -- Barefoot!

If your shack is cold you can put socks and shoes on.

My pixie2 like wool and ESD shoes. :)

G'day.

-Ed

--

-Ed AR QRP Millennium QSO's=195/2000  
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

-----  
Date: Mon, 11 Jan 1999 18:59:34 +0000  
From: Ed Loranger <we6w@qsl.net>  
To: qrp-l@lehigh.edu  
Subject: [29391] Flip-Flop  
Message-ID: <369A4A16.1C0D@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

No, it isn't a digital circuit I'm talking about.

I bring forth the notion that change is enlightening.

Asking oneself is the grass is greener on the other side  
of the fence. Perhaps it is only different.

I've noticed that many hams have a preconceived plan  
when it comes to their operations. Even the spontaneous  
ham has a plan to have "no plan".

Some ops never get on the air until everything is perfect,  
the coffee, special chair, favorite key, shack all cleaned  
up, bills paid....

Others abandon everything and beat the GDO against an old  
SW Rcvr with a 10 KHz BW front end and pick up a cw note  
and come back on the GDO coupled to the box loop!

And yet others require the best portable rig, without scratches  
to be the rose amidst thorns as they operate in elegant style  
amongst the briars after a 6 hour hike up Hell Mountain. Their  
pack light in the hopes that the water purifier can process  
another gallon along the way.

I propose we undertake the task of changing ourselves for a week. Let the shack get messy, clean it up, operate /M or /P, use the big rig instead of the peanut whistle, try a different band, a different chair. Go bug or paddle, homebrew or commercial. Try something different.

Forget waiting for the perfect time to operate. "Perfect" defined as your usual operating or non-operating style.

Do a "flip-flop" and experience radio from the other side of the fence.

-Ed "Cleaning the shack" Loranger :)

--

-Ed AR QRP Millennium QSO's=85/2000  
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

-----  
Date: Mon, 11 Jan 1999 13:00:51 -0600  
From: "Jeff M. Gold" <JGold@tntech.edu>  
To: QRP-L #98 <qrp-l@lehigh.edu>  
Subject: [29392] Ten Tec mike wiring help  
Message-ID: <00eb01be3d94\$b52668c0\$4d0b9595@cc.tntech.edu>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi,

I have a Ten Tec 700 mike that had the 3 wire stereo phono plug attached. I would like to wire it for my Corsair I, which has the 4 pin plug. I have the pin out for the 4 pin, but don't have the wiring code from the 700 mike. Anyone have either the info on the color code from the 700, or the way to convert to the 4 pin.

Help will be greatly appreciated.

72  
Jeff, AC4HF

-----  
Date: Mon, 11 Jan 1999 19:01:26 +0000  
From: Ed Loranger <we6w@qsl.net>

To: qrp-1@lehigh.edu  
Subject: [29393] Re: Belated QSL no longer!  
Message-ID: <369A4A86.346A@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Oh, the main QSL card stack has my Les Logan Bug in  
the lower left corner.

Forgot that part :)

--

-Ed AR QRP Millennium QSO's=85/2000  
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA  
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

-----

Date: Mon, 11 Jan 1999 14:04:59 -0500  
From: "Joseph Street" <joseph.street@comdev.ca>  
To: qrp-1 <qrp-1@Lehigh.EDU>  
Subject: [29394] FYBO 99  
Message-ID: <369A4B5B.2DE76453@comdev.ca>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello All;

When is FYBO 99? I have had my mail postpone for quite some time so  
please don't shoot me for not knowing the obvious!

VE3UXE

-----

Date: Mon, 11 Jan 1999 11:13:17 -0800  
From: Bill Jones <kd7s@psnw.com>  
To: qrp-1@lehigh.edu  
Subject: [29395] Re: Flip-Flop  
Message-ID: <369A4D4D.60BDAD3B@psnw.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Ed Loranger wrote:

> I propose we undertake the task of changing ourselves for a  
> week. Let the shack get messy, clean it up, operate

WHAT? CLEAN UP MY SHACK? Ed, are you nuts? The last time I cleaned up  
the shack I found my MS-DOS 3.1 upgrade diskettes. The trauma was more  
than what I could handle.

--

=====  
Bill Jones - KD7S <><  
Sanger, California  
<http://www.psnw.com/~kd7s>  
=====

-----  
Date: Mon, 11 Jan 1999 14:23:24 -0500  
From: "Franco, Nicholas J" <franco@bnl.gov>  
To: qrp-1@lehigh.edu  
Subject: [29396] Fixed my Butternut Feedline  
Message-ID: <7F3D7334ABE6D11196F500A0C9B426B65A4B79@exchange.bnl.gov>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Phew! This has been a long haul without the HF6V available. My feeline got  
ripped up out of the ground by a backhoe putting in a new cesspool in my  
yard a few weeks ago. I've been using my 132' zepp ever since. While I can  
get the wire to load on mostly all bands, it just ain't the same as the  
vertical. I had a hunk about 25' long of rg-213 already terminated so I  
pulled the feeline up from under the frozen grass yesterday and put PL-259's  
on each end and used barrels to connect the new hunk of coax in-line with my  
existing feeline. I wanted to cut out enough of the 9913 line to insure no  
water wicking up the center with that air space in there. Since the broken  
line has been exposed to the rain, snow and frost for some time now I  
figured I would cut 25' out of the line and replace it. All the bands  
loaded up rather well so I think I'm OK again. 80m was a little rough  
without the tuner, but I almost always use the zepp for 80m anyway and I can  
tune out the mismatch on the vertical if I want to.

Can't wait for tomorrow's FoxHunt. I have a Boy Scout committee meeting but  
hopefully I'll get home in time to catch the end of the hunt. Good Luck all  
and of course Doc.

72,

Nick - kf2ph . .

--

Nicholas J. Franco <>> BROOKHAVEN NATIONAL LABORATORY  
Systems Administrator        RHIC Project    Building 1005  
Tel: (516) 344-5467        UPTON, NY    11973-5000  
Fax: (516) 344-3674        Ham Call:    KF2PH  
Email: nickf@bnl.gov    <http://www.rhichome.bnl.gov/People/franco>

-----  
Date: Mon, 11 Jan 1999 11:33:43 -0800  
From: W7LS <w7ls@blarg.net>  
To: wb1cdh@mci2000.com  
Cc: qrp-l@lehigh.edu  
Subject: [29397] Re: RG 174/U and QRP ?  
Message-ID: <369A5217.23AC@blarg.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi. Here's the short answer: Use it. Now, for the longer answer: It all depends on the frequency, length, and swr. If you have a high swr that you tune out with a tuner at the rig, then you have many, many reflections and hence, passes back and forth along the line, thereby electrically extending the feedline and hence, losses. If the frequency is very high, the losses are higher. If you are on 80 and 40, have a low swr (under 3:1) and have a short hunk of 174, you would need good meters to find the losses. The human ear won't find them, and that's the bottom line. GL/73 de Jim, W7LS

Donald Lefrancois wrote:

>  
> I realize RG 174/u is way down on the "use" list but does anyone out there  
> use it for QRP work..and does it attenuate your signal so much it isn't  
> worth the effort? I want to put together an antenna package that will take  
> up the minimum amount of space. Bulky feed lines drive me nuts.  
>  
> Don    K1NNP  
>  
> WB1CDH@CWIX.COM  
> NE #436 , NorCal #1518 , QRP-L #1778

> G-QRP #10211

-----  
Date: Mon, 11 Jan 1999 02:54:47 -0800  
From: Brad Bradfield <b\_bradfield@yahoo.com>  
To: jrybak@mesa7.mesa.colorado.edu, qrp-1@lehigh.edu  
Subject: [29398] Re: FS: RADIO HANDBOOK  
Message-ID: <3699D877.381D@yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Great reference book! Someone better grab it up quick.

72's es 73's,

Brad, W5CGH

-----  
Date: Mon, 11 Jan 1999 13:17:49 -0700  
From: Andy Fox <foxes@theriver.com>  
To: joseph.street@comdev.ca  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [29399] Re: FYBO 99  
Message-ID: <369A5C6D.C5CB4306@theriver.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

FYBO 99 info is at:

<http://www.extremezone.com/~ki7mn/fybo99.htm>

72 de Andy, KK7HV

-----  
Date: Mon, 11 Jan 1999 12:29:06 -0800  
From: "Radman" <radman@best.com>  
To: <wb1cdh@mci2000.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [29400] Re: RG 174/U and QRP ?  
Message-ID: <199901112025.MAA10262@proxy4.ba.best.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Don,

RG-174 attenuation/loss at 10 Mhz is 3.9 dB per 100 ft  
according to "The RF Connection" URL:  
<http://www.therfc.com/attenrat.htm>

While 174 gets a lot of "bad press," I've found it to be  
very effective as a 40M QRP feeder for field use. If you  
can keep your length down to 25-35 feet, you're talking  
about a 1 dB loss -- not bad, considering the superb  
portability of RG-174. Naturally, for home QTH, I wouldn't  
go near it -- far better choices. And, if you need a nice  
dummy load for 5 GHz, try stringing out 100 ft of RG-174  
-- 99 dB attenuation (WOW... that's loss) !!

It's cool wire! Just my 2 cents,

72 - Conrad - NN6CW

\*\*\*\*\*

I realize RG 174/u is way down on the "use" list but does  
anyone out there  
use it for QRP work..and does it attenuate your signal so  
much it isn't  
worth the effort? I want to put together an antenna  
package that will take  
up the minimum amount of space. Bulky feed lines drive me  
nuts.

Don K1NNP

-----  
Date: Mon, 11 Jan 1999 15:45:03 EST  
From: Shepherd@aol.com  
To: qrp-l@lehigh.edu  
Subject: [29401] Re: Flip-Flop  
Message-ID: <dc90940e.369a62cf@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit



Content-Transfer-Encoding: 7bit

In a message dated 1/11/99 2:07:46 PM Eastern Standard Time, we6w@qsl.net writes:

> Do a "flip-flop" and experience radio from the other side of  
> the fence.

>

> -Ed "Cleaning the shack" Loranger :)

>

Now dangit Ed, where we gonna get enuff mics for everyone. :-)

Good idear thou, might give it a try.

72, 73

Dan, N8IE

-----  
Date: Mon, 11 Jan 1999 14:48:36 -0600  
From: vlantz@juno.com (Vann G Lantz)  
To: qrp-l@Lehigh.EDU  
Subject: [29402] Inverted Vee  
Message-ID: <19990111.144837.3182.0.VLantz@juno.com>

I have a point on my house (that is reasonably accessable) that is 17+ feet high. I have a dipole that I have cut for 7.110MHz, that is 65+ feet long. This high point is on the side of my house. In the back yard, I have a chain link fence, in the front yard a 2 foot high brick wall. The side of my house faces due north.

The questions are:

If I make this dipole an inverted vee, will the fence in the backyard cause a problem. I am assuming that I would want the ground wire back there.

Am I high enough? I could go higher, but not for another 3 to 4 months, as my leg finishes healing (don't ask.)

Am I going to be directional? The wires are going to be pointed East-West. But, it is now on a slope. Will the antenna only do North-South radiation?

OK, I admit it, I'm hooked.

Vann Lantz, KF4QHJ, AL  
QRP-L #1790, AR QRP #241  
VLantz@Juno.Com

[Http://members.xoom.com/VLantz/home.htm](http://members.xoom.com/VLantz/home.htm)

"If there is no God, then who pops up the next Kleenex in the box?"

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Mon, 11 Jan 1999 14:55:11 -0600  
From: Bob Reynolds <breynold@sigg.com>  
To: radman@best.com, qrp-1@lehigh.edu  
Subject: [29403] Re: RG 174/U and QRP ? -Reply  
Message-ID: <99Jan11.145051cst.26933@firewall.sigg.com>  
Mime-Version: 1.0  
Content-Type: text/plain  
Content-Disposition: inline

I have used a 40 m dipole with RG-174 for  
for portable. Light weight and didn't have  
any trouble with the 1db loss.

73. Red K5VOL

>>> "Radman" <radman@best.com> 01/11  
2:29 pm >>>  
Hi Don,

RG-174 attenuation/loss at 10 Mhz is 3.9 dB  
per 100 ft  
according to "The RF Connection" URL:  
<http://www.therfc.com/attenrat.htm>

While 174 gets a lot of "bad press," I've  
found it to be  
very effective as a 40M QRP feeder for field  
use. If you  
can keep your length down to 25-35 feet,  
you're talking  
about a 1 dB loss -- not bad, considering the  
superb  
portability of RG-174. Naturally, for home  
QTH, I wouldn't  
go near it -- far better choices. And, if you  
need a nice  
dummy load for 5 GHz, try stringing out 100  
ft of RG-174

-- 99 dB attenuation (WOW... that's loss) !!

It's cool wire! Just my 2 cents,

72 - Conrad - NN6CW

\*\*\*\*\*

I realize RG 174/u is way down on the "use" list but does anyone out there use it for QRP work..and does it attenuate your signal so much it isn't worth the effort? I want to put together an antenna package that will take up the minimum amount of space. Bulky feed lines drive me nuts.

Don K1NNP

-----  
Date: Mon, 11 Jan 1999 16:09:16 -0500 (EST)  
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>  
To: qrp-l@lehigh.edu  
Subject: [29404] RE: Inverted Vee  
Message-ID: <58157.owen@piper.eeel.nist.gov>

In message Mon, 11 Jan 1999 14:48:36 -0600,  
vlantz@juno.com (Vann G Lantz) writes:

> The questions are:

> If I make this dipole an inverted vee, will the fence in the backyard  
> cause a problem.

No

> Am I high enough? I could go higher, but not for another 3 to 4 months,  
> as my leg finishes healing (don't ask.)

>

Not really but it'll work fine for stateside contacts--use whatever you can

get up.

> Am I going to be directional? The wires are going to be pointed  
> East-West. But, it is now on a slope. Will the antenna only do  
> North-South radiation?  
>

Not really--It may be better in some directions but it will not have the figure eight pattern.

> OK, I admit it, I'm hooked.

>

Once again, use whatever you can get up. At least you will be able to make contacts.

72 Jim K4CGY

-----  
Date: Mon, 11 Jan 1999 16:07:48 -0500  
From: "Joiner, Randy - LYSBB" <JoinerR@avionics2.robins.af.mil>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [29405] Re: Flip-Flop  
Message-ID: <AD001062E6EFD111AB4A00805F9F46A7740624@mustang>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Now that doggone Lorranger feller out there in Californie (you might've known!!) is trying to get me to clean up my shack. Probly wants me to be able to find some part I need real easy, rather than hunt around for it for as much as several hours, often with words emanating (bigword) from my mouth dat I wudn't even lower myself to say here on qrp-1. Sounds to me like he's wanting to take all the fun outta radioin'. Now daggumit he does, ever now and agin put sum rite educational material here on the list, not that I'd eber be accused of using it, and there are those who claim to enjoy the stuff, but he shore nuff needs to keep his personal opinions 'bout my shack to himself...(where's my shotgun???), don't you think? Looks like the start of another thread the size of Y2K!!!!

Ed I just couldn't resist....you really ought to see my junk.....er shack!

72

Randy N4SX

-----

Date: Mon, 11 Jan 1999 15:16:33 -0500  
From: W5TB <w5tb@SoftHome.net>  
To: vlantz@juno.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [29406] Re: Inverted Vee  
Message-ID: <v04011702b2c00c256ae2@[10.4.13.111]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>I have a point on my house (that is reasonably accessable) that is 17+  
>feet high. I have a dipole that I have cut for 7.110MHz, that is 65+  
>feet long. This high point is on the side of my house. In the back  
>yard, I have a chain link fence, in the front yard a 2 foot high brick  
>wall. The side of my house faces due north.

>

>The questions are:

>If I make this dipole an inverted vee, will the fence in the backyard  
>cause a problem. I am assuming that I would want the ground wire back  
>there.

shouldn't be a problem vann -- I would put the "grounded" side back there)

>Am I high enough? I could go higher, but not for another 3 to 4 months,  
>as my leg finishes healing (don't ask.)

higher is always better -- but don't let it stop you, you will get out.

>Am I going to be directional? The wires are going to be pointed  
>East-West. But, it is now on a slope. Will the antenna only do  
>North-South radiation?

nah -- you're so low the ground will distort any 'pattern' -- again, don't  
worry about it. your signal will be stronger some places than others but  
it's not a big deal.

>OK, I admit it, I'm hooked.

cool! 39 yrs hamming here and still having fun ;-)

Now, let me describe my QRP WAC & WAS award winning antenna. It's an end  
fed random wire - probably about 60' long. It goes from the MFJ QRP tuner  
on top of the rig out the window (small closet off second story bedroom)  
up to a 3 foot dowel stuck in a screw-on flagpole holder on the front of  
the house - from there it goes thru a four inch long TV standoff insulator  
screwed in to the apex of the two story roof at it's highest point, then  
slopes down across the backyard and ends at a broomstick nailed to the back  
of a wooden shed at the edge of our city lot. Ideal? no, but it gets out so  
well on all bands from 80 - 10 (including warc bands) that I've not  
bothered with anything fancier. Catches foxes quite regularly and does OK  
in contests too :-)) I've got a tri bander up at 33' for dxing but the

random wire gets me into europe and japan, etc quite well on the WARC bands. It's also a pretty stealthy antenna -- you've got to look pretty close to even notice it.

Moral? Put up whatever ya can, as high as ya can, and have fun!

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>  
QRPARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365  
ARRL Life Member

-----  
Date: Mon, 11 Jan 1999 13:23:34 -0800  
From: Bill Jones <kd7s@psnw.com>  
To: qrp-l@lehigh.edu  
Subject: [29407] PSK31  
Message-ID: <369A6BD6.8CB92BB2@psnw.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Is anybody here running PSK31?

--

=====  
Bill Jones - KD7S <><  
Sanger, California  
<http://www.psnw.com/~kd7s>  
=====

-----  
Date: Mon, 11 Jan 1999 14:31:25 -0700  
From: Brad Mugleston <bmug@gw1.com>  
To: "'qrp-l'" <qrp-l@lehigh.edu>  
Subject: [29408] CW Speak  
Message-ID: <01BE3D6F.14C56EA0.bmug@gw1.com>

Guys and Gals and ?

Did a lot of reading over the weekend (mostly QRP-L Digests - yes the XLY though it was work related but that's another story). I did notice one thing we do that we probably should not do and that is talking in CW Speak (also related is old swabie speak) when answering technical questions.

We had an antenna question come up and the best answer was given in CW

abbreviations (FB OM GL ES 72). It took me 3 or 4 reads to really understand what I think was said and I'm not sure if the person who asked the question had enough experience to understand it.

Don't get me wrong I love the speak (we need to let Nils get out more) but when answering questions please try to make it understood by everyone.

de KI00T, Brad

-----  
Date: Mon, 11 Jan 1999 17:44:51 -0500 (EST)  
From: Chris Cartwright <ccart@dns.vidtel.com>  
To: QRP Reflector <qrp-l@lehigh.edu>  
Subject: [29409] Re: Flip-Flop  
Message-ID: <Pine.LNX.3.93.990111173941.708N-100000@dns.vidtel.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 11 Jan 1999, Joiner, Randy - LYSBB wrote:

> Ed I just couldn't resist....you really ought to see my junk.....er  
> shack!

At least you can see your shack! I have to walk up hill, in the snow, both ways, to get to mine... nah, wait, that was something else:)

And you're right Randy, here we go!

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --  
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

-----  
Date: Mon, 11 Jan 1999 14:50:24 -0700  
From: "Alyn Backe" <ve6bpr@cnnnet.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [29410] 2 MTR to 80 MTR Transverter  
Message-ID: <00e401be3dac\$65d6d580\$7406e5cf@laptop>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello QRP'ers.

I remember hearing about a transverter construction project a few years ago to convert 2 meters to 80 meters. I have a 2 meter s.s.b. rig that doesn't get a lot of use, and would like to use it for QRP s.s.b. operation on 80.

Does anyone on the list know of such a construction project, and where I might find any information? I've never met anyone locally who could steer me in the right direction. I'd like to put this 2 meter multimode to more use.

72, AL, VE6BPR.....sk

QRP-L #1144  
Norcal #2315  
Zombie #158  
ve6bpr@cnnnet.com

Website: <http://cnnnet.com/public/ve6bpr>

-----  
Date: Mon, 11 Jan 1999 16:58:01 EST  
From: ka7you@juno.com  
To: hduff@ica.net  
Cc: qrp-l@Lehigh.EDU  
Subject: [29411] Re: Wanted:HW-9 parts or dead rig  
Message-ID: <19990111.141457.21415.5.ka7you@juno.com>

Hugh,

I hope you had some success finding a shaft for the HW-9. I guess that explains why the person I bought it from said it worked on some bands, but it sure must have been erratic.

I've been having some erratic problems with the HW-8, and discovered that RCA antenna jack is not reliable. Apparently it is just stretched out enough that if the coax isn't laying just right, there is no connection. I found the jack loose in the case, but tightening did not help.

I opened up the case to look at the chassis to see what was in the way to mount a BNC, and also found out why the meter didn't ever move. I had thought, on my previous one, that the meter deflected when keying, but this one did not move -ever! The resistor lead, which connects to the meter terminal, had broken off. A very strange failure indeed. The rig works fine, and puts out about 2 watts to the antenna on 80 and 40M. I have not tried 15 and 20 yet.

I have not looked in the manual yet, but will have find a way to lower the sidetone volume soon. :>)

I hope to hear the HW-9 on the air soon.



7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.  
160M thru 1296 MHz-higher bands pending  
ARCI-QRP #7251 QRP-L #844 NWQRP #120 and others

On Mon, 28 Dec 1998 22:45:43 -0500 Duffer <hduff@ica.net> writes:

>I'm looking for a dead Heathkit HW-9,  
>mostly for the mechanical parts in order to  
>rebuild one that I have on the go.  
>Anyone ?  
>  
>Please reply to hduff @ica.net  
>  
>

-----  
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-----  
Date: Mon, 11 Jan 1999 22:02:33 -0000  
From: "Mel Evans" <MelGM6JAG@bccscotland.freemove.co.uk>  
To: <qrp-l@lehigh.edu>  
Subject: [29412] Re: How did you get your design background?  
Message-ID: <000001be3daf\$76a8d5e0\$c64f883e@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi agng, oops gang, (Spill chequer werking ohkay?)

Agree with both Zack and Chris, you can't do better than go back ten to fifteen years or so and look at the books AND the products of the period.

For example, here in the UK there's an old FM rig, LMR type unit which sells at rallies and fests for about \$10 tops, inside it there's a full-blown 12v operated 50 ohm co-axial relay rated good for up to 100 w power, that sells currently for over \$60 new. If you don't know it's there, you miss the bargain!

Regards Mel

GM6JAG EDINBURGH

-----Original Message-----

From: Zack Lau <zlau@arrl.org>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Monday, January 11, 1999 4:57 PM  
Subject: Re: How did you get your design background?

>Making circuits out of old parts is a very cost effective way  
>of learning design skills. The need to adapt designs to available  
>parts forces creativity. --Zack Lau W1VT  
>  
>

-----  
Date: Mon, 11 Jan 1999 17:08:51 EST  
From: RangerSF5@aol.com  
To: qrp-l@lehigh.edu  
Subject: [29413] Hams helping hams/RE:KZ50D  
Message-ID: <fb727ac8.369a7673@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

I just want to make this public.  
I had a promlem with some MIC wireing on my rig.  
Leigh,KZ50D had mailed me direct several times a day in regards to the problem  
and even did some research for me.  
He hung in there with me untill everything was working as it should be.  
Everything is back in full operation and I have Leigh to thank for all his  
time,letters and suggestions.  
This is what you call hams helping hams.  
Thanks for all your help Leigh.  
Bob  
WA2HOQ

-----  
Date: Mon, 11 Jan 1999 14:41:52 -0800  
From: k6hcj@juno.com (Marv Fagenson)  
To: qrp-l@Lehigh.edu  
Subject: [29414] JUNQUE  
Message-ID: <19990111.144152.-247595.2.k6hcj@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain

Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Ed, WE6W aint smart for nuthin'. Ya see, he uses his JUNQUE to barter for what he wants in his shack. He gets bored with that JUNQUE and passes it on to ussen folk so he can get new JUNQUE to be passed on to different folk, when the need be or when the spirit moves him. Somethin' to be said for XMAS every week at the WE6W household. Never let it be said that Mr. WE6W has bartered away JUNQUE that could not be used by some of us. Some of his JUNQUE is better than from the factory. Believe it! And, he's a good CW op, to boot!

Marv Fagenson  
k6hcj@Juno.com

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or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Mon, 11 Jan 1999 17:48:36 -0500  
From: "Mitch Dickson" <mitch@volstate.net>  
To: <w5tb@SoftHome.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [29415] Re: Inverted Vee  
Message-ID: <00dc01be3db4\$86d0efc0\$4e338cd1@default>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

One thing you might want to bare in mind, it is a very good idea to get the ends of the dipole tied off about 10 feet high. You don't want to be frying a neighborhood kid while transmitting! RF will give you a nasty shock and burn. Keep the wires high enough to be out of reach! CU Mitch  
>

-----  
Date: Mon, 11 Jan 1999 15:56:34 -0700  
From: "Ron Smith" <resmith666@uswest.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [29416] Just curious  
Message-ID: <001401be3db9\$609871c0\$6023e1cf@ron>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I haven't seen any information recently regarding the availability of used and working Heathkit Electronic Keyers. As I remember then were negative grid keying - at least my old one was.

Does anyone have a lead on one or know what they are going for these days?

72 all around...

Ron  
KD7VD

-----  
Date: Mon, 11 Jan 1999 17:33:14 -0600  
From: mjfitz@uswest.net  
To: qrp-1@Lehigh.EDU  
Subject: [29417] SOLAR CONDX RECEIVER IDEA  
Message-ID: <369A8A3A.193F679B@pop.omah.uswest.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Fellow Electron Manipulators,

Noticed that those ZEIT syncro clocks are on sale(\$70--pg 53, Jan, '99 "CQ" mag). Got my little squirrels a spinnin'....

How about a WWV/H receiver mated to one of these digital voice recorders that is timed to record at 18 minutes after the hour? With this, you could go into the shack anytime, hit a button and get the latest numbers. Maybe you could even get it to synchronize to the WWV/H signal like the ZEIT clocks do so that it could set itself and update hourly?

Guys and gals, this is just an idea. It would take a micro-controller, and that's

a little bit beyond my abilities at present. This is simply  
an idea I'm throwing  
out there.... I'm sure there are people who can do this, the  
question is---is this  
a good idea, or am I just a little whackey today? Mike  
K10AF

-----  
Date: Mon, 11 Jan 1999 15:45:10 -0800  
From: "Radman" <radman@best.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [29418] I Need a UTC watch....!!  
Message-ID: <199901112341.PAA27191@proxy4.ba.best.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

Has anyone found a "UTC Wrist Watch" as follows:  
inexpensive, LCD, simultaneous dual-display (UTC & Local),  
water proof-like, Casio, Timex, etc.... ? Cud u pass along  
the make, model & price? I need one :-)

Thanks in advance,

72 - Conrad - NN6CW ... \*not\* looking for a Rolex or Y2K  
compliant ;)

-----  
Date: Mon, 11 Jan 1999 16:52:58 -0700  
From: "John Evans - =?ISO-8859-1?Q?N=D8HJ"?= <jaevans@codenet.net>  
To: qrp-1@lehigh.edu  
Subject: [29419] Re: I Need a UTC watch....!!  
Message-ID: <369A8EDA.50115DDD@codenet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Radman wrote:

>

> Gang,

